Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estir Dan Proper	nated nage v Crops	August 1994
						-			
ALABAMA									
Lauderale County Florence	01	0430CST			0	0	4	0	Lightning
Lee County 10 S Opelika	02	1725CST	2.6	300	0	0	4	0	Tornado (F0)
	dow hous	ned trees alon	g Highwa ome dama	ay 51 in th age along	ne Beaun with nu	regard	area abo	out 8.5	lo caused structural damage an d miles south of Opelika. Several s. A car was damaged by flying
Barbour County Eufaula	04	1500CST			0	0	4	0	Lightning
	kiĪle	ntning struck a t ed. Time of the nown except the	he actual	event is	estimate	ed at 3:	and a h :00 pm	eifer w local ti	ere standing. All the cows were me; actual time of the event is
Baldwin County Loxley	05	1300CST			0	0	2	0	Thunderstorm Wind
	Thu Cou		l destroye	d a metal s	hed and	downe	d some	t ree lin	nbs at Loxley in central Baldwin
Winston County Haleyville	17	1950CST			0	1	3	0	Lightning
·	trans dispa	smission when a tcher was know	the event cked abou	occurred. t four feet	The rad	lio equi e radio	ipment equipme	and a go en t. He	who had just completed a radi o enerator sustained damage. The reported being disoriented with all for examination and released.
Colbert County 2 SW	18	1310CST			0	0	0	0	Hail (1.75)
Tuscumbia	Coll sout	bert County E hwest of Tusc	mergency umbia.	y Managei	ment Aş	gency r	eported	hail up	to golfball-size in the area jus t
Cullman County 2 NW Hanceville	18	1329CST			0	0	4	0	Lightning
	Ligh caus	ntning struck a l sed a fire that g	nouse at Jo gutted the	ohnson's C house an	rossing d destro	ab out 2 yed all	2 miles of the	northwe	est of Hanceville. The lightning spossessions.
Lawrence County 12 W Moulton	18	1330CST			0	0	0	0	Thunderstorm Wind
	Law Mot	rence County ant Hope in the	Emergen e west-cei	cy Manag ntral part o	gement A	Agency ounty.	report	ed a tree	e down across Highway 24 near
Jackson County 3 NE		•		•		•			
Bridgeport	20	1438CST			0	0	4	0	Lightning
	Con to E	nmunity about 3	3 miles no 1 in Chatta	ortheast of anooga. T	Bridge he four	port. Thad be	The peo	ple wer	golf course in the Long Islan de taken by Life Force helicopter when it began raining, and they
Coffee County Enterprise	20	0600CST			0	0	4	0	Thunderstorm Wind
	morr		to newspa	per report	s. The l	limb fe	ll on a l		reet in Enterprise early Monda y del car shattering the windshield

#### ALABAMA Cont'd

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons Injured	Estimat Damag Property	ed ge Crops	August 1994
						J		•	
Madison County 14 NW									
Huntsville	31	1515CST			0	0	0	0	Thunderstorm Wind
	nort	nderstorm win h of Toney ar ig County Lin	ound 4:15	pm. Pea	size ha	il was a	also repor	a hali ted a	f foot in diameter in the area just bout 30 minutes later at 4:47 pm
ARIZONA									
	Plea	ise refer to the	second s	ection of S	Storm	Data ar	nd Unusu	al W	eather Phenonema .
ARKANSAS									
	Plea	ise refer to the	second s	ection of S	Storm	Data ar	nd Unusu	al W	eather Phenonema .
CALIFORNIA, N	orthe	ern							
		ne reported.							
CALIFORNIA, So	outhe	ern							
Riverside County Palm Springs	08	1200PST- 1300PST			?	?	?	?	Urban/Small Stream Floodin g
	due	et flooding wa to lightning. A nch of rain fel	dditional l	neavy rain f	ell in t	at Sun he San	rise and I Jacinto ar	Ramo nd Sa	one St. Power outages in the area anta Rosa Mountains, where over
Riverside County 3.0 NW Anza	09	1400PST- 1500PST			?	?	5.0K	?	Flash Flood
Riverside County Palm Springs	09	1315PST- 1500PST			?	?	?	?	Flash Flood
San Bernardino 5.0 W Phelan	09	1200PST- 1400PST			?	?	3.0K	0	Flash Flood
San Bernardino 6.0 S Big Bear Lake	09	1500PST- 1545PST			?	?	?	?	Urban/Small Stream Flooding
	Floo	oding with roc	ks and m	ud on high	way 38	3. 1/2 to	1 inch of	rain	was reported.
Riverside County				5	J				•
Valle Vista	12	1300PST- 1330PST			?	?	0.50M	?	Tornado (F0)
	East	ornado touche of Hemet. Sev es blown over	veral othe	r reports of	f funne	l clouds	the living around I	g roo Heme	m of a home in Valle Vista, just et, with trees uprooted and utility
San Bernardino Forest Falls	13	1400PST- 1500PST			?	?	?	?	Flash Flood
Riverside Hesperia	13	1240PST- 1530PST			?	· ?	· ?	?	Lightning
San Bernardino 5.0 N Lake Arrowhea	ıd				-	-	-	-	g <del>g</del>
	13	1300PST- 1400PST			?	?	0.50M	?	Lightning
Riverside County 5.0 NW Anza CALIFORNIA, So	13 outhe	1300PST			?	?	0.05M		Urban/Small Stream Flooding
,									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons I Injured	Estim Dam Property	ated age Crops	August 1994
Riverside County	to li inch	et flooding re ghtning. Addi of rain in a 1	tional hea	avy rain fel	ngs at S ll in th	Sunrise e San Ja	and Rar acinto ar	none S id San	st. Power outages in the area due ta Rosa Mountains, with over an
20.0 SE Borrego Spri	Floo	1600PST- 1645PST oding occurred /2 inch hail w	on Highw	vay 78 near	?	? an Dieg	? o and In	? nperial	Flash Flood  county lines. Numerous reports
COLORADO	01 1	/2 men nan w	as also no	ned.					
		use refer to the sormation.	second sec	ction of <b>Sto</b>	rm Da	ata and	Unusua	al Wea	ather Phenonema for additional
Clear Creek County Idaho Springs	01	1415MST- 1445MST			0	0	50.0K	. 0	Flash Flood
	Roc City		caused th	e closure o	of Virg	inia Ca	nyon Ro	ad be	tween Idaho Springs and Central
Pueblo County Pueblo	01	1430MST- 1730MST			0	0	0	0	Flash Flooding
	A th	nunderstorm co as of flooding	ntaining l n Pueblo	neavy rain :	and sm	all hail	dropped	lover	an inch of rain causing localized
Phillips County Haxtun (8NE)	O1 A to	1700MST ornado, which ved lot with dar	0.25	50 ated to be 5	0 0 feet	<b>0</b> wide an	50.0K	ter mi	Tornado (F0) le on the ground, passed through
Larimer County Estes Park (5S)	02	1100MST			0	3	0	0	Lightning
Lorimon County	A v Parl	acationing fai	niiy of th	ree were s	truck t	y ngntr	iing wni	ie niki	ing in Rocky Mountain Nationa l
Larimer County Estes Park (5S)	02 Δ h	1400MST iker was struc	k by light	ning in Ro	0 cky M	1	0 Nations	0 d Park	Lightning
Kiowa County Brandon	02	1445MST			0	0	0	0	Flooding
	1.75 96 t	inches of rain between the to	fell in the wns of Bı	town of Br andon and	andon Sherio	with mi lan Lak	nor floo e.	ding o	f rural roads and along Highway
Huerfano County Lathrop S.P.	03	1400MST			0	6	0	0	Lightning
Park County			a car at	Lathrop St					ck the vehicle injuring all six.
Fairplay		1615MST accumulated communication			0 d near	<b>0</b> Fairplay	4.00K		Hail (0.50) er failures and damage to power
Douglas County Larkspur (2E)	04	1632MST	n cquipii	10111.	0	0	0	0	Hail (0.75)
COLORADO Con	t'd								
<b>EL Paso County</b>									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons Injured	Estima Dama Property	ted ge Crops	August 1994
1.18.20.00	12415	.31/2110/2110	(iviiie.s)	(Tantis)	Killen	- mjinesi	тиралу	City	V.1017(1) 1 10 30 111
Ramah	04	1800MST			0	0	0	0	Hail (0.75)
Adams County Strausburg (1N)	05	1715MST			0	0	0	0	Hail (1.00)
Phillips County Amhurst	07	1845MST			0	0	0	0	Hail (2.00)
Sedgwick County Julesburg (15SSE)	08	1745MST	Short	Narrow	7 0	0	0	0	Tornado (F0)
	A to	ornado made 2	brief tou	chdowns ii	n an op	en field	area.		
Weld County Stoneham	08	1750MST			0	0	0	0	Hail (0.88)
Bent County Las Animas (10W)	10	2050MST			0	0	0	0	<b>Funnel Cloud</b>
Jefferson County Lena Gulch	10	2100MST- 2115MST			0	0	50.0K	0	Flash Flood
Larimer County Livermore	10	2100MST- 2115MST			0	0	50.0K	0	Flash Flood
	The	road extendin	ig betwee	n Livermo	re and	Red Fe	ather Lal	kes wa	s washed out or badly damaged
Larimer County									
LaPorte	10	2104MST			0	0	?	0	Hail (1.75)
Boulder County Lyons	10	2100MST- 2120MST			0	0	1.00M	0	Flash Flood Thunderstorm Winds
Larimer County Fort Collins (1N)	10	2122MST			0	0	0	0	Hail (1.00)
Fort Collins (CSU Foothills Campus)	10	2130MST			0	0	0	0	Thunderstorm Winds
Laporte	10	2130MST			0	0	400K	0	Hail (2.00)
	syst exte loca	ems in Lyons Inding between	s. Numei Livermor	rous basen e and Red	nents i: Feathe	n Lyon: r Lakes	s were f in Larin	looded 1er Coi	n flooding and backed up sewer out as well. The main road, unty, was washed out at several n northern Larimer county near
Jefferson County Westminster	10	2130MST			0	0	5.00K	0	Lightning
	Ligl	htning struck a	a house in	Westmins	ster cau	sing a s	mall atti	c fire.	
Jefferson County Arvada	11	0030MST			0	0	37.0K	0	Lightning
	Ligl	htning struck a	ın Arvada	house cau	ising de	estructio	on to one	third o	of the house.
Indian Hills	11	1245MST			0	0	0	0	Hail (0.75)
Adams County Brighton	11	1522MST			0	0	0	0	Hail (1.00)

#### COLORADO Cont'd

**Jefferson County** 

Louis	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per	nber of sons Injured	Estim Dam	nated age v Crops	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Propert	y Crops	Character of Storm
Westminster	11	1631MST			0	0	0	0	Hail (0.75)
Arvada (4NW)	11	1633MST			0	0	0	0	Funnel Cloud
Westminster	11	1636MST			0	0	0	0	Funnel Cloud
Westminster	11	1640MST			0	0	0	0	Hail (0.75)
Arvada (5NW)	11	1640MST			0	0	0	0	Thunderstorm Winds (G54)
Fremont County Canon City, Penrose	11	1640MST- 1730MST			0	0	?	0	Flash Flooding Lightning
	Hear at th	vy rain fell in lose locations.	Canon Ci In additi	ty and Penr on, lightnir	ose di	uring thi	is period home a	d with 1 nd num	reports of 2.25 inches of rainfall
Morgan County Brush	12	1630MST			0	0	2.00H	0	Thunderstorm Winds
		nderstorm wind a trailer.	ds caused	several 4-5	inch	diamete	er trees t	o blow	over. A motor boat was tossed
Washington County Elba	12	1640MST	Short	Narrow	0	0	0	0	Tornado (F0)
	A to	rnado briefly	touched d	own in ope	n lanc	l.			
Akron (13S)	12	1654MST			0	0	0	0	Hail (0.75)
Akron (16SSE)	12	1658MST			0	0	0	0	Hail (1.00)
Akron (25SE)	12	1706MST			0	0	0	0	Funnel Cloud
Weld County Wiggins	13	1247MST			0	0	0	0	Thunderstorm Winds
	Thu	nderstorm wii	nds downe	ed small tre	es in t	he Wig	gins are	a.	
Gilpin County Rollinsville	13	1330MST- 1337MST			0	0	0	0	Hail (0.25)
	Hail	covered grou	nd 2-3 inc	hes deep in	n and	near Ro	llinsvill	e.	
Central City	13	1345MST- 1445MST			0	0	1.50N	<b>4</b> 0	Flash Flood
	A 1	00 year old o	pera hous street of C	e and seve Central City	ral ca after	sinos w flood w	ere floo aters su	oded ou ibsided	at. 18 inches of silt and debri s
Pueblo County Pueblo	13	1415MST- 1515MST			0	1	1.00N	A 0	Hail (0.75) Flash Flood
	3/4 i large colla whe	nch hail. City e trees were do	streets, howned by one personer broke,	ighways, an thunderston Damage a was estimat	nd und rm wi	derpasse nds of u	es were inknowi	flooded 1 speed	as 4.50 inches of rain along with and closed for a time. Several s. A section of the Pueblo Mall 350,000. Damage to the library otal property damage in Pueblo
Weld County Greeley	13	1500MST- 1545MST			0	0	10.0F	ζ 0	Flash Flood

#### COLORADO Cont'd

Thunderstorms containing heavy rain and small hail caused basement flooding at locations close to a ditch.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Pers Killed	nber of sons Injured	Estima Dama Property	ated ge Crops	August 1994
Larimer County Wellington	13	1445MST		C* 1	. 0	2	0	0	Lightning
<b>Bent County</b>	Ligi	htning struck 2	z men wno	o were fish	iing on	a lake.			
Las Animas	13	1842MST			0	0	?	0	Flash Flood
	1.31	inches of rain	n fell in 30	0 minutes	floodin	g a few	baseme	nts.	
Weld County Nunn	16	1335MST			0	0	0	0	Microburst Winds (G54)
Hudson, Keensburg Fort Lupton	16	1400MST			0	0	450K	0	<b>Microburst Winds</b>
ront Lupton	roof tree	s. 20 downed	poles caus ted with t	sed widesp he passage	read po	ower ou	itages in	southe	omes while only a few lost their rn Weld County. Several small ong with the destruction of two
Park County Bailey	17	1300MST			0	0	?	0	Lightning
Daney			10 acres o	of hillside	-	-	•		before the fire was contained.
Fremont County	Ligi	numg causea	To acres (	or minside	irees ai	iu vege	tation to	ourn c	crore the rife was contained.
Canon City (9S)	17	1500MST			0	0	0	0	Lightning
	Ligl	htning started	a grass fir	re near Car	on Cit	y which	h burned	for ab	out two days.
Prowers County Wiley	18	1430MST			0	0	0	0	Thunderstorm Winds 60
Mesa County Grand Junction 10SSE	19	1700MST			0	0	5.00K	0	Flash Flood
	Hea This	vy thunderstors s caused the cl	ms caused losure of t	water and he road for	debris t r a few	o cover hours	· 2 m iles for clean	of Hig	hway 141 for a couple of hours. rposes.
Mesa County Loma	19	2030MST			0	0	50.0K	0	Flash Flood
	Loc	ally heavy thu	ınderstorn	ns washed	out par	t of Hig	ghway 1	39.	
Larimer County Kings Canyon	22	1434MST			0	0	0	0	Thunderstorm Winds (G53)
Pueblo County Rye	24	1245MST			0	0	?	0	Lightning
·	Ligl	htning struck a	a water sh	ut-off valv	e causi	ing dan	nage to th	ne valv	e.
Boulder County Louisville	25	1540MST			0	0	?	0	Lightning
	Ligl	htning blew or	ut a power	pole in L	ouisvil	le. Pow	ver was o	out for	2 hours for many residents.
Baca County Springfield	31	0048MST			0	0	0	0	Flash Flooding
		vy rains at tl ingfield.	ne rate of	1.25 inche	es per l	hour ca	used the	floodi	ng of highway 287 in and nea r
CONNECTICUT									
Hartford County Wethersfield Glastonbury	13	1610EST			0	0	?	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Dai Proper	mated mage rty Crops	August 1994		
	Tree	es were repor	ted blown	down		S .	•				
Tolland County Tolland	13	1630EST			0	0	?	0	Thunderstorm Winds		
Windham County Scotland	Man	1705EST	reported t	olown dow	n. 0	0	?	0	Hail (0.75)		
New London County Salem	13 State	1711EST e police repo	rted nume	rous trees	0 blown	0 down	?	0	Thunderstorm Winds		
Litchfield County S Portion New Haven County	21 21	1900EST- 2200EST 1900EST-	rted nume.	ious trees	0	0	6	0	Flash Flood		
Southbury		2200EST	rms accom	nanied a co	0 old from	0 nt into (	? Connect	<b>0</b>	Flash Flood om New York state and torrential		
	rain satui occu	s dropped fr rated as a resu arred mostly d	om 1 to 5 alt of 3 to 5 luring the la	inches of inches of rate afternoon	rain ii ainfall	n a 3 ho during t	our per he prec	iod. So eding 1	oil conditions already were well 0 days. While the heavy rainfall g of small streams continued into		
	the early hours of August 22nd.  Tremendous damage occurred to road systems and bridges as a result of runoff from small streat The two towns with the greatest amount of damage were Washington and New Milford in Litchic County, with a combined total of \$1.1 million. Damage in the adjoining towns of Bethleh Woodbury, Roxbury, and Watertown accounted for the remainder of the final total damage of smillion. In Bethlehem, two bridges were washed out and about 40 miles of town roads was damaged, including 6 miles that were severely damaged. Many residents reported basement flooin the affected areas, but there was no significant damage to buildings or utilities. A coupl families were evacuated from their homes in Woodbury. In the northwest corner of New Ha County, a state of emergency was declared in Southbury due to flooding along the Pomperaug Risome roads were closed, but only minor damage was reported.										
DELAWARE											
Sussex County Millsboro	05	1523EST			0	0	1	?	Hail (0.75)		
	Dim Man	e-sized hail f nagement Ag	ell east of ency.	Millsboro	on Ro	ute 24.	The hai	il was re	eported by Delaware Emergency		
FLORIDA											
Monroe County Plantation Key 55 ENE MTH	01	0705EST			0	0	0	0	Waterspout		
	A w	aterspout wa	s reported	by sheriff	's depa	rtment j	just sou	th of Pl	antation Key.		
Hendry County Felda 23 E FMY	01	1300EST			0	0	2	0	Funnel Cloud		
Loo Country	Loca	al authorities	sighted tv	vo funnel o	clouds	near Fe	lda.				
Lee County Cape Coral 5WNW FMY	01	1415EST			0	0	2	0	<b>Thunderstorm Winds</b>		
	Win	d damage ca	used powe	er outages.							
FLORIDA Cont'd											
Lee County Boca Grande 23WNW FMY	01	1427EST			0	0	0	0	Funnel Cloud		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Da d Prope	imated mage	August 1994
						J	•	, ,	
	A fi	unnel cloud wa	as sighted	by the pu	blic ne	ar Boca	a Grand	le Pass.	
Citrus County Homosassa 49N TPA	01	1545EST			0	0	0	0	Funnel Cloud
	A c	itizen reported	a funnel	cloud in F	Homosa	ıssa.			
Sarasota County Warm Mineral Spgs 28SE SRQ	01	1602EST			0	0	0	0	Thunderstorm Winds
2002 0110	A tı	ree was blown	down nea	ar Warm N	Mineral	Spring	gs.		
Sarasota County Gulf Gate	01	1604EST			0	0	3	0	Thunderstorm Winds
13SSE SRQ	Two	o trees and pov	wer lines v	were blow	n dowi	n and tv	wo hous	ses had	windows broken in Gulf Gate.
Pasco County 25N TPA	01	1754EST	Short	?	0	0	3 3	0	Tornado (F0) Lightning
	A to kno	ornado briefly to cking down pl	ouched do none and p	wn three n power line	niles ea es. Lig	st of U htning	.S. 19 d damage	on SR 52 ed a hou	t in the Shadow Run subdivision se in the same area.
Hernando County Weeki-Wachee Spgs 40N TPA	01	1825EST			0	0	0 4	0	Thunderstorm Winds Lightning
Spring Hill 35N TPA	Tre hos	es were down pital and school	ed in the	Weeki-Wa	achee a	nd Spr	ing Hil	l areas. l	Lightning struck and damaged a
Hernando County Brooksville 35NNE TPA	01	1830EST	Short	?	0	0	3	0	Tornado (F0)
	A b	rief tornado re	moved the	e roof froi	n a hou	ise nor	theast o	f Brook	sville.
Pinellas County Dunedin 13W TPA	01	1900EST			0	0	0	0	<b>Funnel Cloud</b>
1311 1111	A fı	unnel cloud wa	as sighted	west of D	Ounedin	1.			
Marion County Summerfield 41SSE GNV	01	1854EST			0	2	4	0	Thunderstorm Winds
TIBBL GIV		nderstorm windour occupants							ee fell onto a car injuring two of off.
Marion County E Ocala 32SSE GNV	01	1953EST			0	0	0	0	Thunderstorm Winds
3255E GIV	Thu	ınderstorm wii	nds blew r	numerous	trees d	own clo	osing H	lighway	40 east of Ocala.
Manatee County Bradenton 29S TPA	02	1604EST			0	0	2 3	0	Thunderstorm Winds Lightning
	Pho dan	one and power naged two hou	lines wer	e downed	in Bra	denton	by thu	nderstor	m winds. Lightning struck an d
Sarasota County Venice	02	1643EST			0	0	2	0	Thunderstorm Winds
43NW FMY	Thu	ınderstorm wii	nds blew o	down pow	er lines	S.			
FLORIDA Cont'd									
Pasco County Hudson	03	1610EST			0	0	2	0	Thunderstorm Winds
225NNW TPA	A ti	n roof was tor	n off of a	harn north	heast of	f Hudse	on		

A tin roof was torn off of a barn northeast of Hudson.

		Time Local/	Path Length (Miles)	Path Width	Per	nber of	Esti Da	mated mage	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	l Injurea	d Prope	rty Crops	Character of Storm
St Lucie County 4E Ft Pierce 18SE VRB	04	1020EST			0	0	0	0	Waterspout
		aterspout was	reported	4 miles ea					
Dixie County Suwanee 50WSW GNV	04	1809EST	1 1 .	, 1	0	0	2	0	Thunderstorm Winds
<b>M</b> G		ee was blown	down brii	nging dow	-				***
Monroe County 8NW EYW	05	1440EST			0	0	0	0	Waterspout
	A w	aterspout was	observed	8 miles n	orthwe	st of K	ey Wes	t Interna	ational Airport.
Monroe County 5NE EYW	05	1155EST			0	0	0	0	Waterspout
SINE ET W	A w	aterspout was	observed	5 miles n	ortheas	st of Ke	y West	Interna	tional Airport.
Broward County Coral Springs 12NNW FLL	05	1500EST			0	0	0	0	Funnel Cloud
	A fu	innel cloud wa	as sighted	near Cora	al Sprin	ıgs.			
Osceola County Kissimmee 42WNW MLB	06	1325EST			0	0	0	0	Hail (1.00)
42 ((1) (( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	Qua	rter-size hail f	fell in Kis	simmee.					
Brevard County Satellite Beach 4NNE MLB	06	1600EST			1	2	0	0	Lightning
12 (2 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A 37 on the	7-year-old male he sand at Sat	e dentist w ellite Bea	as killed a ch. (M37)	and his O)	wife ar	nd daug	hter inju	ared by lightning while lounging
Marion County Silver Springs 30SSE GNV	06	1732EST	Short	?	0	0	4	0	Tornado (F0)
5052 <u>5</u> 5100	A to	rnado travelled ne and slightly	l about 200 damaging	) feet snap g two othe	ping off er mobi	f po wer le hom	r poles a es.	and tear	ng part of a roof off of a mobile
Marion County Clermont 52SW DAB	06	1745EST			0	0	0	0	Thunderstorm Winds
	A la	rge oak tree w	as topple	d by thun	derstori	n wind	s.		
Broward County Ft Lauderdale	07	0730EST			0	0	0	0	Funnel CLoud
rt Lauderdale	Seve	eral funnel clo	uds were	reported r	northea	st of Ft	Laude	rdale.	
Lafayette County Mayo 44S VLD	07	1700EST			0	0	4	0	Urban Flooding
775 V LD	Eigh hous	nt and one hal ses and busine	f inches o	f rain fell ayo.	in thre	e hours	and ca	used flo	oding that did minor damage to
Broward County Coral Springs 12NNW FLL	07	1800EST			0	0	3	0	Thunderstorm Winds Funnel Cloud
Oakland Park 5N FLL	07	1805EST			0	0	0	0	Hail (0.75)
FLORIDA Cont'd									
Ft Lauderdale	07	1815EST			0	0	3 4	0	Thunderstorm Winds (G50) Lightning
	C	ana thumda:t-		. down - 1	tmaaa -	nd me	1:		sorrmed a framed aloud in Come 1

Severe thunderstorm winds downed trees and power lines and spawned a funnel cloud in Cora l Springs. A SKYWARN observer reported 3/4" hail in Oakland Park. Wind gust of 58 mph wer e

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons	Esti Dai d Prope	mated mage rty Crops	August 1994 Character of Storm
	mea runv		uderdale	Internatio	nal Air	port ar	nd lightı	ning stri	ikes damaged two planes and the
Lake County Tavares	08	1430EST			0	1	0	0	Lightning
41WSW DAB	A L	ake County deck a house the	eputy shern hit the y	riff was sl vard about	ammed a foot	to the	ground the wo	while man.	walking in a yard. The lightning
<b>Monroe County</b>	09	1255EST	·		0	0	0	0	Waterspout
15NE EYW	A w	aterspout was	observed	15 miles	northea	ast of K	Key Wes	st Intern	national Airport.
Citrus County	09	1632EST			0	0	0	0	Waterspout
52SSW GNV	A la	ırge waterspou	it was rep	orted 1 m	ile wes	t of the	Crysta	River	Nuclear Power Plant.
Charlotte County Englewood Beach 35NW FMY	10 10	1417EST 1430EST	Short	?	<b>0</b> <b>0</b>	0	2 3	0	Tornado (F0) Thunderstorm Winds
331(W FWII	A so Stra	evere thunders ight line wind	storm in E s tore the	inglewood roof off o	d Beach f a mol	n produ pile hor	ced a b	rief torr	nado that tore down power lines .
Sarasota County 38NW FMY	10	1430EST			0	0	0	0	Hail (1.75)
	Gol	f ball-size hail	reported	on I-75 ne	ear the	Charlo	tte Cou	nty line.	
Hillsborough County Temple Terrace 9ENE TPA	10	1430EST			0	0	4	0	Lightning
JENE ITA	Ligl suff	htning damage ered \$30,000 c	ed a nursi damage fr	ng home om a ligh	in nortl tning st	n Tamp rike.	oa. A v	vater tre	eatment plant in Temple Terrac e
Charlotte County Englewood	10	1445EST			0	0	3	0	<b>Thunderstorm Winds</b>
35NW FMY	Barr	ricades on a di	awbridge	near Eng	lewood	were o	damage	d.	
Pinellas County Clearwater	10	14359ES			0	1	0	0	Lightning
14W TPA	A 2	7-year-old ma	le suffered	d numbne	ss in hi	s legs a	ıfter a n	earby li	ghtning strike.
Manatee County Sarasota	10	1527EST			0	0	2	0	<b>Thunderstorm Winds</b>
Sarasota	Pow	er lines were	downed n	ear the Sa	arasota	County	line.		
Sarasota County 5E SRQ	10	1546EST			0	0	0	0	<b>Thunderstorm Winds</b>
3L SKQ	A tr	ee was blown	over.						
Hillsborough County Tampa	10	1623EST			0	0	0	0	Funnel Cloud
татра	SKY	YWARN spott	er reporte	d a funne	l cloud	in Tan	ıpa.		
Hillsborough County Plant City	10	1623EST			0	0	0	0	<b>Thunderstorm Winds</b>
22E TPA	Tree	es were downe	ed in Plant	City.					
Sarasota County	10	1623EST			0	0	5	0	<b>Urban Flooding</b>
Sarasota	Hea of c		d urban st	reet flood	ing in s	everal	areas of	f Saraso	ta with water up to the windows
FLORIDA Cont'd									
Hillsborough County	10	1642EST			0	0	0	0	Thunderstorm Winds
N Portion	Sev	eral trees were	e blown de	own causi	ng scat	tered p	ower ou	ıtages.	
<b>Pasco County</b>	10	1710EST			0	0	0	0	<b>Funnel Cloud</b>

	Б.	Time Local/	Path Length (Miles)	Path Width	Pers	nber of	Esti Dai	mated nage	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	İnjured	Proper	ty Crops	Character of Storm
Hudson	Sev	eral people in	Hudson s	ighted a fu	ınnel cl	oud.			
Volusia County Dayton Bch Shores	10	1840EST			0	0	0	0	Waterspout
2ENE DAB	Thr	ee large water	rspouts we	re reporte	d over t	he Atla	ntic ju	st east o	f Daytona Beach Shores.
Lake County Umatilla	11	1500EST			0	0	2	0	Thunderstorm Winds
35WSW DAB	Tre	es and power	lines were	blown do	wn aro	und Um	atilla.		
Dade and Broward Counties	11 12	2000EST- 2000EST			0	0	4	0	Urban Flooding
		ecord 9.18 inch Broward Cou		fell at Mia	ami Inte	ernation	al Airp	ort caus	sing urban flooding across Dade
Jefferson County	12	1400EST			0	1	0	0	Lightning
Monticello 16NE TLH	A w	oman standir	ng in her ya	ard under	a tree v	as inju	red by	a lightn	ing strike.
Desoto County	13	1500EST			0	0	3	0	Lightning
Arcadia 36N FMY	A li sma	ightning strik Ill fire that ca	e shattered used \$3,50	l a brick c 0 damage	himney	on a F	amily	Service	Center in Acadia, and started a
Dade County	14	0200EST	Short	?	0	0	0	0	Tornado (F0)
South Miami 6S MIA	A b	rief tornado to	ouched do	wn in Sou	th Miar	ni but c	aused 1	no casua	lties or damage.
Lee County	14	1000EST			0	0	4	0	High Wind
Cape Coral 5NNW FMY	The	fringes of so	on-to-be T	ropical St	orm Be	ryl did	minor	damage	to businesses in Cape Coral.
Putnam County Interlachen	15	1400EST			0	0	3	0	Lightning
19E GNV	A li	ghtning initia	ted fire co	mpletely d	lestroye	ed a mo	bile ho	me wor	th \$5,000.
Volusia County	15	1415EST			0	0	0	0	Waterspout
Ormond Beach 6N DAB	A w	aterspout wa	s reported	off of Orn	nond B	each.			
Manatee County Palmetto	15	1500EST			0	0	3	0	<b>Thunderstorm Winds</b>
27S TPA	Tree	es were down	ed damagi	ng two ca	rs.				
FLZ010>021- 026>029- 034>035-039	15 16	2000EST- 0800EST			0	1	7	?	Tropical Storm Beryl
FLORIDA Cont'd	min The obs Ber AM was and pers	ssing the Florimum central per maximum rerved at Apal yl weakened to EST, July 16, estimated at shouses and er sons on a fishi	rida panha pressure wa eported sto achicola, l o a tropica There wer 5.9 million oded beac ing boat of	ndle coast as 1000 ml orm tide o out somew I depression to no death a. Coastal of thes and se if shore the	line ned and the feath of 2.9 few hat high on as it and the damage a walls panhar	ar Panar ne maxinet and ther valued moved only 1 in include . A nur	ma Cit mum s the gre ues like northe njury d d tidal nber of l to be	y at 8 P ustained atest rai ely occu ast into lirectly a fl ooding f moored rescued	d moved slowly east northeast, M EST, July 15. At landfall the wind was estimated at 58 mph. Infall total of 10.69 inches were red to the east of this location. extreme southwest Georgia at 8 uttributable to Beryl and damage which undermined a few roads d boats were damaged and three. Winds did minor roof damage windown damaging roofs
	laste	ed more than a	. week, dar	00 custom naging ho	ers. The	e heavy d vehic	rain ca les. Th	aused flo e oyster	ooding of low lying areas which beds in Apalachicola Bay were
Okaloosa County	onc	e again contain 1400EST	mmated.		1	0	0	0	Rip Current
•									-

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estii Dar Proper	nated nage tv Crops	August 1994
			1,1811113,1					<u> </u>	
Destin Beach 25S CEW	13-y	l-year-old mal ear-old daugh ropical Storm	nter. The	rip current	a rip c t was ca	urrent a	at Mira y swell	mar Beas s and st	ach near Destin while saving his rong onshore winds in the wake
Brevard County Kennedy Space Cntr 28NNE MLB	16	1530EST 1545EST			<b>0</b> <b>0</b>	0	0	0	Thunderstorm Winds (G52) Thunderstorm Winds (G63)
ZOININE WILD	Gus	ts to 52 and 63	3 knots fro	om severe	thunde	rstorms	s were i	neasure	ed at Kennedy Space Center.
Franklin County St George Is 45SW TLH	16	1655EST	Short	?	0	0	0	0	Waterspout- Tornado (F0)
455W 1LH	A w	aterspout mov	ed onsho	re St. Geo	rge Isla	nd but	caused	no casu	alties or damage.
Bay County	17	1626EST			1	0	0	0	Rip Current
Panama City Bch 6WSW PAM	at 11	5-year-old ma 1127 Front Bea e of Tropical	ach Road.	The rip of	current v	current was cat	at Pan used by	ama Ci swells	ty Beach behind the Holiday Inn and strong onshore winds in the
Sumter County	18	1305EST			0	1	0	0	Lightning
Bushnell 47NNE TPA	Insti	6-year-old ma tute. Rain had o 20 feet into	iust begur	ı falling an	d the fir	st light	e worki tning st	ng outd rike obs	oors at the Sumter Correctiona l served hit a fence and ricocheted
Pasco County	18	1630EST			0	0	2	0	Thunderstorm Winds
Zephyrhills 24NE TPA	Nun	nerous power	lines were	downed	betweei	n Zephy	yrhills a	and Cry	stal Springs.
Hillsborough County E central	18	1700EST			0	0	2	0	Thunderstorm Winds
E central	Roo	f shingles wer	e blown o	off of a ho	me in th	ne east	central	part of	Hillsborough County.
Desoto County	18	1730EST			0	0	2	0	<b>Thunderstorm Winds</b>
Arcadia 38N FMY	Pow	er lines were	blown dov	wn from n	orth of	Arcadi	a to sev	eral mi	les south of Zolfo.
Hillsborough County	19	1730EST			0	0	0	0	Hail (0.88)
Lithia 25SE TPA	Nicl	kel-size hail w	as reporte	d in the v	icinity (	of SR 3	89 and <b>C</b>	CR 640.	
<b>Marion County</b>	19	1730EST			0	0	0	0	<b>Thunderstorm Winds</b>
Anthony 5N OCF	Shei	riff's office rep	orted sev	ere thunde	erstorm	winds	blew d	own tre	es.
Hillsborough County	19	1745EST			0	0	2	0	<b>Thunderstorm Winds</b>
Pinecrest 1N TPA	Pow	ver lines were	downed b	etween Pi	necrest	and Ke	eysville		
St Johns County	19	1755EST			0	0	4	0	Lightning
Orangedale 13SSE NIP	Ligh	ntning initiated	d fires cau	sed dama	ge in th	e Oran	gedale :	area.	
Clay County	19	1855EST			0	0	0	0	Thunderstorm Winds
St Johns County	Nun	nerous reports	of large t	rees uproc	oted.				
		•		-					
FLORIDA Cont'd									
Polk County	19	1930EST			0	0	2	0	Thunderstorm Winds
Mulberry 29E TPA	Pow	er lines were	blown dov	wn in Mul	berry.				
Polk County Fort Meade	19	2000EST			0	0	2	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Esti Dai Proper	mated nage ty Crops	August 1994
						J	•		
40ESE TPA	Pow	er and phone	lines wer	e blown do	own in	Fort Mo	eade.		
Hernando County Brooksville 35NNE TPA	20	1430EST			0	0	0 4	0	Hail (0.75) Thunderstorm Winds
	Seve	ere thundersto on power line	rms produs	ced dime-s	size hai s in Bro	l and w	ind gus	sts that d	amaged a house roof, and blew
Polk County Lake Hamilton	20	1748EST			0	0	0	0	<b>Funnel Cloud</b>
40E TPA		innel cloud w	as reporte	d in Lake					
Pasco County Zephyrhills	21	1700EST			0	0	0	0	Thunderstorm Winds
24ÑE TPA		es were blow	n down be	tween Zep	hyrhills		rystal S		
Orange County 5S Christmas 28NW MLB	21	1745EST			0	0	0	0	Hail (0.75)
Ocoee 44SW DAB	21	1803EST			0	0	0	0	Hail (0.75)
445W DAD	Dim	ne-size hail fe	ll at the to	ll booth or	ı U.S. I	Ну 528	5 miles	s south c	of Christmas and in Ocoee.
Highlands County	21	1830EST			0	0	2	0	Thunderstorm Winds
Sebring 55W VRB	Thu	nderstorm wi	inds blew	down pow	er poles	betwe	en Seb	ring and	Avon Park.
Volusia County Edgewater 14SE DAB	21	1900EST			0	0	0	0	Thunderstorm Winds Hail (0.75)
14SE DAD	Tree	es were blow	n down an	d dime siz	e hail f	ell in E	dgewat	er.	
Martin County	22	1220EST			0	0	0	0	Waterspout
St. Lucie Inlet 33NNW PBI	A w	aterspout wa	s reported	a few mile	es east o	of St. L	ucie In	let.	
St. Lucie County	22	1630EST			0	0	0	0	<b>Thunderstorm Winds</b>
Ft. Pierce 12SSE VRB	Thu	nderstorm wi	inds blew	down trees	in the	Ft. Pier	ce area	ì.	
Broward County Coral Springs	23	1525EST 1541EST			0	0	0	0	Thunderstorm Winds (G52) Thunderstorm Winds (G60)
12nnw FLL Miramar	23	1550EST			0	0	0	0	Hail (0.88)
5NW MIA	Seve Nicl	ere thundersto kel-size hail a	rms produc and wind g	ced wind gu gust of 70 r	asts of 6	0 to 70 re repo	mph writed by	which blo	ew down trees in Coral Springs. WARN spotter in Miramar.
Dade County	23	1610EST			0	0	0	0	Thunderstorm Winds (G50)
N part 10N MIA	Thu	nderstorm wi	nd gusts e	stimated a	t 58 mp	h blew	trees d	lown in	north Dade.
Polk County	23	1630EST			0	1	0	0	Lightning
Lake Wales 50E TPA	A m	nan was struc	k and inju	red by ligh	tning n	ear Lak	e Wale	es.	
Franklin County	24	0615EST			0	0	0	0	Waterspout
Carrabelle 35SSW TLH	A w	aterspout mo	ved betwe	en Dog Isl	and and	d Carra	belle.		
FLORIDA Cont'd		-		-					
Osceola County St. Cloud	24	1530EST			0	2	0	0	Lightning
35WNW MLB	light	o male const tning at a worl ding.	ruction wo k site in St.	orkers, one Cloud. B	e 22 and oth wei	d anoth re stand	er 23, ling in	were ho an open	spitalized after being struck by window in a roofless apartment
<b>Polk County</b>	24	1530EST			0	0	2	0	Thunderstorm Winds

		Time Local/	Path Length	Path Width	Pers	ber of	Estir Dan	nated nage ty Crops	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Proper	ty Crops	Character of Storm
Polk City 39ENE TPA	Pow	er lines were	blown do	wn in Polk	c City.				
Hillsborough County Riverview 12ESE TPA Ruskin	24	1640EST			0	0	0	0	Thunderstorm Winds
16 SSE TPA	Tree Rusl		down acro	oss Simms	Road i	n Rive	rview a	nd a tre	e was blown over on 21 Ave i n
Dade County 22S MIA	25	0725EST			0	0	0	0	Waterspout
	A w	aterspout was	reported	in south B	iscayne	Bay n	ear Tur	key Poi	nt Nuclear Power Plant.
Martin County Hutchinson Is	25	1730EST			1	0	0	0	Rip Current
30SSE VRB	Thre the c	e local males vother two esca	vere caugl ped serio	ht in a rip c us injury v	urrent b vhen sti	ehind though	he " Ho Ishore v	use of R vinds cr	efuge". One male drowned and eated the rip currents. M15O.
Lee County	25	1525EST			0	0	4	0	Lightning
Bonita Springs 15SSE FMY	Ligh \$50,	tning struck a 000 dwelling.	a power l Several p	ine and tra people in t	avelled he hous	into a e were	house o	causing d for sm	a fire that totally destroyed the oke inhalation.
Dade County 9ESE MIA	26	1210EST			0	0	0	0	Waterspout
PESE WIIA	A w Bay.		observed	l at the mo	outh of t	he Go	vernme	nt Cut s	hip channel in central Biscayn e
Lee County N Ft. Myers	26	1645EST			0	0	2	0	Thunderstorm Winds
IVI CONTYCES	An a	wning at a se	rvice stati	ion was da	maged	by thu	ndersto	rm wind	ls.
Lee County 20W FMY	26	1720EST- 1730EST	2.0	25	0	0	0	0	Waterspout Tornado (F0)
	A wa The	aterspout trave tornado lifted	lled west a	across San inued west	Carols l t as a fu	Bay and	d cam e oud to	ashore o Pine Isla	on Pine Island at St. James City. and Sound.
Duval County Jacksonville Bch	27	1600EST			1	1	0	0	Rip Current
15E NIP	A 29 A m	year-old male ale companion	e Georgia n was hos	tourist dro spitalized a	wned ir after nea	a rip o arly dro	current owning	while sy in the sa	wimming at Jacksonville Beach. ame rip current. (M290)
Monroe County Conch Key	27	1707EST			0	0	0	0	Waterspout
18E MTH	A wa Key		reported b	y Monroe	County	Emerg	gency N	<b>1</b> anager	nent 3 miles southeast of Conch
Levy County Bronson	27	1805EST			0	0	0	0	Thunderstorm Winds Hail (1.75)
24SW GNV	Tree	s were downe	d, and go	lf ball-size	e hail fe	ll soutl	h of Bro	onson.	
Monroe County Conch Key 18E MTH FLORIDA Cont'd	28	1025EST			0	0	0	0	Waterspout
	A wa Key		reported b	y Monroe	County	Emerg	gency N	<b>1</b> anager	nent 3 miles southeast of Conch
Hillsborough County	28	1558EST			0	0	0	0	Thunderstorm Winds
Sydney 17E TPA	Nick	el-size hail w	as reporte	ed in Sydn	ey.				
<b>Monroe County</b>	29	1105EST			0	0	0	0	Waterspout

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Da 1 Prope	mated mage rty Crops	August 1994
						9	•		
Summerland Key 30E EYW	A w	aterspout was	reported 1	by the pul	blic 5 n	niles so	uth of S	Summer	land Key.
Palm Beach County	29	1441EST			0	0	0	0	<b>Funnel Cloud</b>
Boca Raton 17NNE FLL	Two	funnel cloud	s were sig	hted over	Boca I	Raton.			
Broward County Coral Springs 12NNW FLL	29	1435EST	Short	?	0	0	0	0	Tornado (F0)
N Lauderdale	29	1440EST	Short	?	0	0	0	0	Tornado (F0)
10NW FLL	Fun	nel clouds tou	ched dow	n briefly i	in two s	separate	e locatio	ons caus	sing no casualties or damage.
<b>Monroe County</b>	30	1350EST		-	0	0	0	0	Waterspout
5NW EYW	A w	aterspout was	observed	5 miles n	ortheas	st of Ke	y West	Interna	tional Airport.
<b>Monroe County</b>	31	0642EST			0	0	0	0	Waterspout
5NNE EYW	A w	aterspout was	observed	5 miles n	orth no	ortheast	of Key	West I	nternational Airport.
GEORGIA		•							•
		se refer to the s	second sec	tion of <b>St</b>	orm Da	ata and	l Unusi	ual Wea	ather Phenonema for additional
Putnam County 8 SE Eatonton	03	1335EST			0	0	3	0	Thunderstorm Wind
	caus	nderstorm win sed power outa oss the county	ges across	the count	y for a	a barn couple	at a da of hour	iry farn s. Seve	n which downed power lines and ral large trees were also downed
Heard County 3 W Franklin	03	1438EST			0	0	2	0	Thunderstorm Wind
	Sev	eral large trees	s were blo	wn down	across	Georgi	a High	way 34	by thunderstorm winds.
Calhoun County 2 E Leary	03	1735EST			0	0	2	0	Thunderstorm Wind
	Pata outa	aula Electric r ages across the	reported a county.	large tree	e had f	allen ac	cross a	power l	ine which resulted in numerou s
Colquitt County 1 W Moultrie	03	1845EST			0	0	3	0	Thunderstorm Wind
1 W Mountile	Thu	nderstorm win	ds downed ages throu	several tr ghout M	ees acro	oss pow	er lines	along	U.S. Highway 319 which caused ere also blown down along U.S.
Laurens County 2 S Dublin	04	1400EST			0	0	2	0	Thunderstorm Wind
2 5 Dubini			s were dov	vned acro					e Dublin area.
Telfair County Helena McRae	04	1600EST	, , <b>, , , , ,</b>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0	0	3	0	Thunderstorm Wind
GEORGIA Cont'd	l								
	Thu pow	nderstorm winderstorm winderstorm winderstorm winderstorm with the state of the sta	nds downe Helena an	ed several d McRae	power.	lines a	long U	.S. High	nway 23 which caused numerous
Irwin County 10 W Ocilla	04	1730EST			0	0	3	0	Thunderstorm Wind
to Ocilla	A ro	oof was blown nost of the cou	off of a dr	rugstore o ling a larg	nto pov ge porti	werlines on Ocil	s in Oci la.	illa whi	ch knocked out electrical service

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estii Dar Proper	mated nage ty Crops	August 1994
						J	-		
Turner County 10 SE Ashburn	04	1750EST		111	0	0	2	0	Thunderstorm Wind
	Seve		iprooted a	nd blown a	cross (	i eorgia	ı Hıghw	vay 32, v	which also downed a few power
Crisp County 8 NE Cordele	05	1315EST			0	0	3	0	Thunderstorm Wind
	of C	nderstorm wind Cordele in Nor er outages alor	theast Cri	sp County	of on ar	out bu roof fe	ilding ell onto	along Br power l	raintree Road, 8 miles northeast ines which resulted in scattere d
Laurens County Dublin	05	1430EST			0	0	3	0	Thunderstorm Wind
	Thu	nderstorm win	ds downe	d several l	large tr	ees alo	ng U.S.	. 441 in	Dublin.
Worth County Sylvestor	05	1515EST			0	0	1	0	Thunderstorm Wind
	A la	rge tree was d	owned by	thunderst	orm wi	nds ac	ross Ge	orgia H	lighway 112.
Colquitt County 3 SE Moultrie	05	1610EST			0	0	5	0	Thunderstorm Wind
	Ligh Wid	tning struck an espread power	d caused outages	extensive occurred tl	damag hrough	e to an out Col	electric Iquitt C	substat	ion along Georgia Highway 33. or 10 to 12 hours.
Baker County Newton	05	1745EST			0	0	2	0	Thunderstorm Wind
		chell Electric re in Newton.	ported nur	nerous tree	es were	blown	down	onto pow	verlines along Georgia Highway
Bibb County	0.5	101 FECT							
3 SW Macon	05	1915EST- 1945EST			0	0	3	0	Thunderstorm Wind
	a ho	nderstorms win ouse and cause ges in the vici	d roof an	d rafter da	is trees amage.	and po Wind	wer lin downe	es throu ed powe	ughout Macon. One tree fell on r lines caused numerous powe r
Chatham County Savannah	06	1600EST			0	0	2	0	Thunderstorm Winds
		nderstorm wind annah.	s downed	several po	wer lii	nes and	caused	l wides <sub>l</sub>	pread power outages throughout
Hart County 4 S Hartwell	16	1239EST	1.0	100	0	1	5	0	Tornado (F1)
	Cree Cou foun mov	ek Church cor nty. The torn dation in the (	nmunity, ado destro Cedar Cre across So	halfway b oyed two ek Church cott Town	etweer mobile comi Drive	George homes nunity. and lif	gia High s, rolled The to	hways 7 l a third ornado 1	ry Crossing Roads, in the Cedar 7 and 172, in southcentral Har t over and lifted a fourth off it s approofed several large trees as it atted near Landfill Road. Total
GEORGIA Cont'd									
Oglethorpe County 5 N Lexington	16	1315EST	1.0	200	0	0	6	3	Tornado (F2)
	Geo hous trees	rgia Highway ses and killed 3 s were uprooted	22. The 30,000 che before the	tornado i ickens app e tornado	moved roxima lifted	northwately 0. and dis	vest and 25 mile ssipated	d destroy from the Most	e-foot wood-frame house, along yed 3 broiler houses, 2 chicke n le leveled home. Several pecan of the tornado damage occurred stimated at \$700,000.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estin Dam Propert	nated nage v Crops	August 1994
Dekalb County 2 S Chamblee	16	1520EST			0	0	2	0	Thunderstorm Winds
		ouple of large rstate 85.	trees were	downed by	thunde	rstorm	wind s a	t Dresd	lon and Shallowford Roads near
Hall County 2 NW Flowery Branch	16	1532EST			0	0	0	0	Hail (0.88)
Cherokee County 11 NE Canton	16	1635EST- 1735EST			0	0	2	0	Thunderstorm Winds
	The High	combination hway 372 bet	n of satur ween Ball	ated soil a Ground a	and 40 a	mph w e Home	inds do	wned a	few large trees along Georgi a
<b>Spaulding County</b>	16 17	1600EST- 0800EST			0	0	4	0	Flood
		to three inche		om Tropic	al Storn	n Beryl	caus ed	low-ly	ing streets, culverts and streams
<b>Newton County</b>	16	1650EST- 2200EST			0	0	5	0	Flash Flood
	Cou	nty and cause	ed roads t	o flood or	wash o	ut and	culverts	s to coll	n less than 6 hours over Newton apse. Nearly 8 inches of flood iles east of Covington.
<b>Habersham County</b>	16	1715EST- 2115EST			0	0	5	0	Flash Flood
	Hab	remnants of ersham Count J.S. Highway	y and wasl	ned out sev	eral road	ds and c	cov ered	several	rain in less than 6 hours ove r bridges with water. One bridge away.
Elbert, Stephens, Habersham, Hart,	16 17	2045EST- 0245EST			0	0	6	0	Flash Flood
and Rabun Counties	of N with was	Vortheast Geo or washed aw hed away. N	rgia in les vay by floo Jumerous	s than 6 ho d waters. culverts a	ours. N Several nd sew	lumero bridge er line	us road es were es were	s across covered also da	ches of rain over the mountains the five counties were covered by floodwaters and a few were maged by the pressure of floo d the five county area.
Zones 108 128 130 131 146 147	16 17	1500EST- 2000EST			0	0	3	0	Flood
148 158 159	Two	o-day rainfal nerous to road	l totals of s to flood	three to fo	our inch	es fron	n the rei	nnants orgia.	of Tropical Storm Beryl cause d
Zones 10 16>18 23>29 34>40 47>51 59>63 72>75 84>85 97 GEORGIA Cont'd	16 17	2000EST- 2100EST			1	0	6	0	Flood

Heavy persistent rains from the remnants of Tropic al Storm Alberto dumped 2-day rainfall totals that averaged 5 to 8 inches across the mountains of Northeast Georgia.

Over the counties of Rabun, Habersham and Stephens, 2-day rainfall totals averaged as high as 10 inches. One isolated 24-hour rainfall total of 13.3 inches was observed at Tallulah Falls in sout h Rabun County.

Mudslides, road and river flooding, and infrastructure damage was common throughout Northeast Georgia during the persistent rains.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons I Injured	Esti: Dar Proper	mated nage ty Crops	August 1994
Pourion County	wes	t of Clayton i	red when a n Rabun C	young ma County, at	n fell o approx	ut of a ra imately	aft on the	he rain- EST on	swollen Chattooga river, 8 miles the 17th. (M20O)
<b>Berrien County</b>	17	1709EST- 2000EST			0	0	5	0	Flash Flood
	Cou	nnants of Tro inty. Numero it of Nashville	us county	roads we	re wast	ned out	nches o or cove	f rain ir ered by	less than 24 hours over Berrien flood waters. One home, 1 mile
Hall County Flowery Branch	18	1530EST			0	0	0	2	Hail (0.75)
riowery Branch		A officials re	ported din	ne sized ha	-	v	v	_	11an (0.75)
Thomas County Thomasville	18	1845EST	r		0	0	2	0	Thunderstorm Wind
	A fe	ew large trees	were dow	ned by the	underst	orm wi	nds in	Thomas	sville.
Thomas County 6 SE Thomasville	20	1615EST			0	0	3	0	Thunderstorm Wind
	Thu	ınderstorm wi	nds down	ed six larg	e oak t	rees alo	ng U.S	. Highv	way 19.
Bibb County 5 NW Macon	21	1300EST			0	0	4	0	Thunderstorm Wind
	A pa	arked car was ker Road nea	severely da r Weslean	amaged fro College.	om a la	rge oak	tree blo	own do	wn by thunderstorm winds along
Jones County 4 SE Gray	21	1305EST		_	0	0	2	0	Thunderstorm Wind
- 2 - u,			lines were	downed b	y thun	derstori	n wind		Georgia Highway 18.
Walker County 8 W LaFayette	31	1643EST			0	0	2	0	Thunderstorm Wind
o w Larayette			ines were	reported d	-		_		he town of Cedar Grove.
IDAHO	110	es and power	mics were	reported e	own o	Count	.y <b>D</b> 1 <b>v1</b> 7	i neur t	ne town of Cedar Grove.
	Plea	ase refer to th	e second s	ection of	Storm	Data aı	nd Unu	sual W	eather Phenonema .
ILLINOIS									
	Plea	ase refer to th	e second s	ection of	Storm	Data aı	nd Unu	ısual W	eather Phenonema .
INDIANA									
Fayette Connersville	04 1	1205EST		0	0	1K	0	Ligh	ntning
Bartholomew Burnsville	08 1	1200EST		0	0	0	0	Ligh	ntning
Miami Peru	08 1	1733EST		0	0	0	0	Hail	(0.75)
INDIANA Cont'd									
Pulaski 1.0 S Lawton	08 1	1735EST		0	0	1K	0	Thu	nderstorm Wind
Miami 5.0 SE Peru	08 1	1746EST		0	0	0	0	Hail	(1.75)
Wabash Wabash	08 1	1810EST		0	0	0	0	Thu	nderstorm Wind
. r uousii	She	riff reported t	rees down	ed by thur	ndersto	rm wind	ds.		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pers	ber of ons Injured	Estim Dam 1 Propert	ated age v Crops	August 1994
Cass	08 1	816EST		0	0	0	0	Hail	(0.75)
Vigo	08 1	1850EST		0	0 0	0	Hail	(1.75)	
Crawford Hutsonville		1920EST			0	0	1K	0	Thunderstorm Wind
_		er lines blow	n down ne	ear Hutson				_	
Fountain		1948EST			0	0	0	0	Hail (1.75)
Carroll		1800EST			0	0	0	0	Hail (0.75)
Marion Indianapolis		0640EST			1	0	0	0	Lightning
	Ligh 63, v dam	ntning critically was knocked u nage that were	y injured a nconsciou the result	woman at s after bein t of the lig	t a bus s ig struck htning s	top on k. She trike.	Indiana died Au (F63O)	polis' n igust 16	orthwest side. Mary Cooke, age of the from cardiac arrest and heart
Marshall 3.0SE Bourbon	13	1715EST	.10	4	0	0	0	0	Tornado (F0)
	An I was	Etna Green fir about 25 feet	eman repo	orted a brid	ef touch	down	in an ope	en field	. The path length of the tornado
Tippecanoe Battle Ground	13 1	1845EST			0	0	5K	0	Thunderstorm Wind
Tippecanoe 8.0NE Buck Creek	13 1	1850EST			0	0	1K	0	Thunderstorm Wind
Montgomery Darlington	13 1	1944EST			0	0	0	0	Thunderstorm Wind
Elkhart 1.0N Nappanee	19 2	2010EST			0	0	0	0	Thunderstorm Wind
	Two	trees blown	down on (	County Ro	ad 5 jus	t north	n of High	way 6	
Jackson Medora	26 1	1442EST			0	0	0	0	Thunderstorm Wind
	Seve	eral trees and	power lin	es reporte	d down	by Sta	te Police	e.	
Hancock Shirley	28 1	1700EST			0	0	5K	0	Thunderstorm Wind
Bartholomew 3.5S Columbus	28	1820EST			0	0	0	0	Thunderstorm Wind
	Ama	ateur radio op	erator rep	orted trees	blown	down.			
IOWA									
Henry County Winfield	03	1015CST			0	0	3	2	Thunderstorm Winds
Wright County Clarion IOWA Cont'd	03	1035CST			0	0	4	0	(G50+) Lightning
Jasper County 6 S Newton	03	1300CST			0	0	3	4	Thunderstorm Winds (G50+)
Benton County 1 N Vinton 3 E Vinton	03 03	1425CST 1440CST	0.1	20	0	0	0	0	Funnel Cloud Tornado (F0)
	TD1	1 .			.1		1 1	C	1 1 0 1 1 1

Thunderstorms were numerous over Iowa throughout the day. Several weather features caused the

	Time	Patn	Patn	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	8
Location	Date Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm
			_			

continual development. There was an upper level disturbance approaching from the west, while a trough of low pressure approached from the northwest. Farther northwest was an approaching arctic cold front. The atmosphere was very moist with deep moisture in place and convective available potential energy between 3000 and 3500 J-Kg¹ over much of the state. Even so, the situation was not overly conducive to severe weather. Thunderstorms moved over the west half of the state during the morning hours. The east half remained under partly sunny skies with thunderstorms eruptin g during the early afternoon hours, once the weak cap had broken. The storms produced heavy rainfall and some gusty winds. Only a few became severe. A severe thunderstorm moved through Winfield in Henry County, downing several trees. Another storm produced a brief microburst south of Newton in Jasper County. Many large tree limbs, up to 20 inches in diameter, were torn off. Crops were e flattened in a narrow strip for about a mile downstream. Another storm produced a brief spin u p tornado in Benton County. The tornado was observed by a boater as it touched down on Rogers Park Lake. It sucked up water briefly before breaking apart. One could call it a waterspout since it did occur over water, however meteorologically it had thunderstorm structure of a land event. For that reason it was listed as a tornado instead of a waterspout. During the morning, thunderstorms moved through Clarion. Lightning struck the chimney of the elementary school. Several blocks were knocked out of the top of it and the chimney was cracked all the way down to its junction with the main building.

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		C								
Osceola County		1015000					_			. (0.5
5 N Sibley Lyon County	07	1945CST			0	0	5	3	Thunderstorm Wind	is (G65)
4 W Little	07	2000CST			0	0	3	2	Thunderstorm (G50+)	Winds
Rock									(,	
Osceola County 3 SE Little	07	2015CST			0	0	4	0	Lightning	
Rock	07	2013C51			U	U	7	U	0 0	
7 NW Sibley	07	2015CST			0	0	3	4	Hail (0.88)	
6.5 NW to	07	2016CST-	4.5	75	0	4	_	4	T1- (F2)	
2 N Sibley Sibley	07	2028CST 2030CST	4.5	75	0	$\frac{1}{0}$	5 5	4 0	Tornado (F3) Lightning	
O'Brien County	U/	2030CS1			U	U	3	U	Lighting	
Primghar	07	2100CST			0	0	3	2	Thunderstorm (G50+)	Winds
Winnebago County									(3201)	
Lake Mills	07	2100CST			0	0	3	4	Hail (0.75)	
Thompson	07	2120CST			0	0	3	4	Hail (0.75)	
Cherokee County	05	2120 CCT			•	•			II 9 (4 85)	
Larrabee	07 07	2120CST 2125CST			0	0	4 5	4 4	Hail (1.75)	
Cherokee Winnebago County	U/	2125CS1			U	U	5	4	Hail (2.00)	
Leland	07	2130CST			0	0	3	4	Hail (0.75)	
2 N Woden	07	2143CST			ŏ	ŏ	3	4	Hail (0.75)	
Hancock County					v	-		•	11411 (01.0)	
Woden	07	2143CST			0	0	3	4	Hail (0.75)	
<b>Woodbury County</b>								_		
Anthon	07	2235CST			0	0	4	3	Thunderstorm (G50+)	Winds
Danbury	07	2247CST			0	0	4	3	Thunderstorm Win	
Oto	07	2247CST			0	Ŏ	3	3	Thunderstorm (G50+)	Winds
1 S Oto	07	2247CST			0	0	3	3	(G50+) Thunderstorm (G50+)	Winds
1 ESE	07	2247CST			0	0	3	3	Thunderstorm (G50+)	Winds
Smithland									(650+)	
Monona County 2 NW Mapleton	07	2255CST			0	0	5	4	Thunderstorm Wine	de (C-75)
Rodney	07	2255CST 2255CST			ŏ	ŏ	<b>5 3</b>	3	Thunderstorm	Winds
Rouncy	07				v				(G50+)	
Ticonic	07	2255CST			0	0	3	3	Thunderstorm (G50+)	Winds
IOWA Cont'd									,	

Location	Date	Time Local/ Standard	Path Length (Miles)	th Path ngth Width files) (Yards)		Number of Persons Killed Injured		ted ge Crops	August 1994 Character of Storm	
Mapleton 6 SW Sibley	07 07	2256CST 2300CST			0	0	5 5	4 0	Thunderstorm Win Lightning	nds (G65)
Woodbury County 7 NE Mapleton	07	2310CST			0	0	4	0	Lightning	
Monona County Ute	07	2315CST			0	0	3	2	Thunderstorm (G50+)	Winds
Crawford County Schleswig	07	2315CST			0	1	3	2	Thunderstorm (G50+)	Winds
Charter Oak	07	2315CST			0	0	3	3	Thunderstorm (G50+)	Winds
Harrison County Dunlap	07	2345CST			0	0	4	2	Thunderstorm (G50+)	Winds
Shelby County Harlan Pottawattamie	08	0000CST			0	0	4	0	Lightning	
County Council Bluffs	08	0115CST			0	0	3	2	Thunderstorm	Winds

Warm, humid, and very unstable air moved over Iowa during the afternoon of the 7th. A warm front moved northeast across the state during the day. During the late afternoon hours a cold fron t approached the northwest corner of the state. Very humid air was drawn north just ahead of the cold front. Dew point temperatures were in the lower to middle 70s over most of the state by evening. Northwest flow in the middle and upper levels brought in relatively cool air aloft over the area. As a result the lifted indices were in the -10 to -12. range. By early evening, convective available potential energy values reached 4000-6000 J-Kg<sup>-1</sup> over much of the west half of Iowa. Thunderstorms fired in two areas initially. The first was over southern Minnesota. The second was over north central Nebraska. The two are as propagated south and grew toward each other with time. Though the storms were tornadic over Minnesota, the main severe weather event for Iowa was hail and high winds. The Minnesota convection dropped into north central and northeast Iowa. Dimesize hail was the result. There were sporadic reports of marble to dimesize hail for about 45 minutes over Winnebago County. Dimesize hail also fell over northwest Hancock County as the storm s entered the Woden area. After this time, they weakened as they continued to move south-southeast. As the mesoscale convective system over Nebraska built into southeast South Dakota and northwest Iowa, high winds and hail resulted. Hail ranged in size from three quarter inch to golf ball in size. In Cherokee County, hail damage was reported to many cars in the city of Cherokee by hail 2 inches in diameter. Reports showed at least 150 cars and 100 homes were damaged by the hail. A tornado touched down northwest of Sibley, in Osceola County. One farmstead was hit with damage reported to several buildings, one was destroyed. A woman received minor injuries when she was cut on the hand by flying glass. Five hogs were killed when a concrete block building was collapsed. The building housed 300 hogs. A silo was destroyed on the farm and carried a mile to the south. At the same time one of the cars was lifted and thrown 50 feet. At about the same time, a farmhouse in rural Sibley was struck by lightning. The house was set on fire and was totally lost. Also in Osceol a County, north of Sibley, a farmstead was hit by high winds in advance of the tornado. A concrete was destroyed and the end of the barn was completely removed. Woodbury and Monona Counties were hard hit by high winds. The first reports came from Danbury, where 60 to 65 MPH winds were reported. Numerous reports of trees and power lines being downed by high winds were receive d from Woodbury County. In Monona County, Mapleton and the area around it were hard hit. In the town of Mapleton, the roof was blown off of a car dealership, and the roof was caved in on on e apartment building. In the downtown area, winds blew out a three quarter inch thick plate glas s window. Several farmsteads were damaged by the winds as well. Two farms had significan t structural damage. Another reported one grain bin blown off its foundation, and six others had the sides collapsed and bent over. Twelve hogs were killed when a quonset building was destroyed. One man was injured in Crawford County when high winds downed a large tree limb in front of the car that he was driving. The storms continued south, though they had weakened with winds around 50 MPH. Spotty damage occurred. High winds downed trees and limbs in Harrison County at Dunlap and Pottawattamie County at Council Bluffs. Several tents were blown down by the wind at the County Fair in Dunlap as well. There were also several lightning strikes. Lightning set a house on fire southwest of Sibley, destroying it. A barn was a total loss to fire northeast of Mapleton when lightning struck it. Another storm moved across Shelby County. Lightning struck two house in Harlan. Damage occurred to each, but actual dollar amount was not available.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estir Dan Proper	nated nage v Crops	August 1994
IOWA Cont'd									
IAZ003>005-015- 023-024 Northwest Iowa	11 18	0600CST- 1800CST			0	0	3	4	Flooding
	Agri mor Aug the Basi	iculture and La oth. This figurest was isolated 10th through	and Stewar are was 9 ed in natu the 12th r nounts exc	dship, indi 1% of the re. Persist esulted in ceeded 3 in	icated a normal tent rair minor f nches ir	statew 4.03 in a fall over a flooding a some	ride pred nches. er north g in the areas.	cipitation Flooding Sern Iown Sern Iown Sern Iopper 1 Sernia Iopper 1	y Hillaker, Iowa Department of on average of 3.68 inches for the ng in Iowa during the month of va and southern Minnesota from reaches of the Des Moines River were minor and limited to crop r channel.
<b>Bremer County</b>	13	0200CST- 0700CST			0	0	5	3	Urban Flooding
	inch	es of rain in t	he Denve	r area. Re	eports in	ndicate	d that 5	inches	r period. The storms dumped 5 or rain had fallen in a four hour stooded for a time.
IAZ027-028- 038-039 Northeast Iowa	14 15	1200CST- 2100CST			0	0	4	4	Flooding
	Wat floo	erloo area. R	ainfall an tively mi	nounts in e nor and lir	excess of	of 3 inc	hes in s	ome ar	produced flooding around the eas were common. Once again, ands and some flooding in clos e
Mitchell County Orchard 5 NE Orchard New Haven 3 E Orchard 5 E Osage 3 E Osage	17 17 17 17 17	1710CST 1735CST 1740CST 1744CST 1751CST 1756CST	0.2	25	0 0 0 0 0	0 0 0 0 0	4 3 3 0 0	4 4 4 0 0 3	Hail (2.00) Hail (1.00) Hail (1.00) Funnel Cloud Funnel Cloud Tornado (F0)
Howard County 5 N Elma 5.5 E Saratoga 5.5 E Saratoga 5 N Lourdes Howard County	17 17 17 17 17	1854CST 1940CST 1950CST 2010CST 2015CST-			0 0 0 0	0 0 0 0	3 3 3 3	4 4 4 4	Hail (0.75) Thunderstorm Winds (G61) Hail (0.75) Hail (0.75)
Howard County		2300CST			0	0	4	4	Flash Flooding
	valu of Ic sout for dian Have indic east How	es were in the owa during the heast Minneso about three heast Minneso and in How cate the hail w of Osage. The ward County.	2000 J-K evening h ta by midrours. Lar cant hail: ward Coun as deep er e tornado Rainfall! Several of	g <sup>-1</sup> range ours. This night. An a ge hail pe fell in both ty north of was only between the creeks and	An upper disturbance a of the leading point of the leave training on the garee and stream	per leven bance perhunder rtions cell and s, hail cell when cks when ground four in	el distur roduced storms of Mitch Howard covered en drive briefly aches fe lowed t	bance rale a weal formed hell Count the groen through a corbin a corbin bar bar bar	ective available potential energy moved along the northern border k surface low pressure area over and did produce severe weather unty with hail up to 2 inches i n lies. In Mitchell County in New land completely. In fact, reports 1919 and 1919 and 1919 are to 1.5 hours time. This resulted 1919 and some county roads were to the county.
Clayton County Edgewood	18	0300CST			0	0	5	3	Thunderstorm Winds (G50+)

Thunderstorms moved across northeast Iowa throughout the night. In what appeared to be a downburst situation, high winds struck a farm near Edgewood. A narrow path could be seen in the fields surrounding the farm. The farm stead that sustained damage reported one barn blown down by the winds. Sixty head of cattle were within the barn, 12 of them were killed in the collapse. The

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons I Injured	Esti Dai Proper	mated nage ty Crops	August 1	1994
IOWA Cont'd		ge was pulled oper box was			n house	e and to	ys were	e strewn	across the fields dow	nwind. A
Jackson County Bellevue Maquoketa Bellevue Dubuque County	18 18 18	1820CST 1825CST 1832CST			0 0 0	0 0 0	3 3 3	4 4 4	Hail (0.75) Hail (0.75) Hail (0.75)	
Dubuque County Dubuque	outfl and	low boundary heavy rainfal	formed f l for the m	from the prost part.	revious Three o	nights o uarter i	convec nch dia	tion. Tameter h	Hail (0.75) st storms developed n he storms produced gu ail fell in Jackson and quite a bit of crop da	ısty winds Dubuque
Mitchell County Osage Chickasaw County Nushua Floyd County	19 19	1135CST 1200CST	ty damage	was mm	0	0	3	4	Hail (1.00) Hail (1.00)	age.
Charles City Bremer County 2 N Sumner Allamakee County Postville	19 19 19	1215CST 1236CST 1245CST			0 0	0 0	4 4 3	4 4 2	Hail (1.75) Hail (1.75) Thunderstorm	Winds
Clayton County McGregor	19	1300CST			0	0	3	2	(G50+) Thunderstorm (G50+)	Winds
Fayette County Fayette Randalia .5 S Randalia Clayton County Elkader Guttenberg	19 19 19 19	1306CST 1306CST 1307CST 1337CST 1405CST			0 0 0 0 0 0	0 0 0	4 4 4 3 3	4 4 5 4	Hail (1.75) Hail (1.75) Hail (2.75) Hail (1.00) Hail (1.00)	
Buena Vista  Dubuque County  Balltown	19 19	1415CST 1438CST			0	0	3	2	Thunderstorm (G50+) Thunderstorm	Winds Winds
5 N Dubuque	19	1440CST			0	0	4	2	(G50+) Thunderstorm (G50+)	Winds
Durango Durango	19 19	1445CST 1445CST			0	4 4	<b>4</b> <b>4</b>	<b>4 3</b>	Hail (2.50) Thunderstorm (G50+)	Winds
Sageville Sageville	19 19	1450CST 1455CST			0	0	4 5 5	3	Thunderstorm (G50+) Hail (2.50)	Winds
Dubuque _Dubuque	19 19	1505CST 1505CST			0	0	5 6	2 4	Thunderstorm (G50+) Hail (4.50)	Winds
Jackson County  Jackson County	19	1530CST- 1630CST			0	0	3	3	Urban Flooding	
Bellevue Bellevue	19 19	1545CST 1602CST			0	0	4 4	3	Hail (2.00) Thunderstorm (G50+)	Winds
Green Island Green Island	19 19	1610CST 1620CST			0	0	3	3	Thunderstorm (G50+) Hail (1.75)	Winds
Clinton County Delmar	19	1624CST			0	0	3	4	Hail (1.00)	

		Time Local/	Path Length	Path Width	Numl Perso	per of	Estima Dama	ited ge	August 19	94
Location	Date	Standard	Length (Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
12 NW Clinton Elvira Clinton Dubyggg County	19 19 19	1635CST 1650CST 1655CST			0 0 0	0 0 0	3 3 3	4 4 4	Hail (0.75) Hail (0.75) Hail (0.75)	
Dubuque County Zwingle	19	1701CST			0	0	3	4	Hail (1.00)	
Jackson County La Motte Clinton County	19	1704CST			0	0	3	4	Hail (0.75)	
1 N Clinton	19	1715CST			0	0	3	2	Thunderstorm (G50+)	Winds
Jackson County La Motte	19	1730CST			0	0	3	4	Hail (0.75)	
IOWA Cont'd										
<b>Clinton County</b>	19	1745CST- 2030CST			0	0	4	2	Urban Flooding	

Low pressure tracked to the north of Iowa while its attendant cold front moved southeast into the state. The airmass over the state was of marginal instability. Lifted indices were around -4 and convective available convective energy was in the 1000 to 2000 J-Kg<sup>-1</sup> range. At the same time, a strong upper level disturbance was approaching Iowa from hypothesis to the state was approaching to the state was approached to the front by the state was approached to the state was of marginal instability. a few hundred nautical miles. The driving force with this event was the jet stream dynamics. A jet maximum was approaching from the northwest and entered the north central counties of the stat e around mid day. The flow was strongly divergent over the east half of Iowa. Low level winds had veered through the day resulting in meager inflow to the storms. Isolated thunderstorms developed over south central Minnesota and tracked southeast into Iowa during the afternoon. The main feature with them was hail. There were several reports of hail ranging in size from three quarter inch to nearly three inches in diameter. The hail caused extensive crop damage over northeast Iowa. South of Randalia, for example, baseball size hail destroyed crops. One farmer reported his 90 acre corn filed was a total loss...shredded to the ground. Farther southeast, major property damage occurred. A report of hail of tennis ball in size was received nort hwest of Dubuque near Durango. A short time later, hail of tennis ball to baseball size was reported in the area around and in Dubuque. WSR-88D VIL values were in the 65 to 70 KG-M<sup>2</sup> range during most of the severe hail occurrences. Most of the storms produced at least pea to marble size hail. Most of the storms produced wind gusts of at least 30 to 40 MPH. High winds buffeted the east edge of Iowa. Trees were blown down in Dubuque, Jackson, and Clayton Counties. A camper was overturned in Jackson County at Bellevue. A tree fell on a mobil home northwest of Dubuque, splitting it in half and destroying it. The combination of high winds and tennis ball size hail near Durango resulted in eight injuries. People were injured by being struck by hail and flying glass. They were taken to the hospital in Dubuque, treated, and released. Serious damage occurred in the city of D ubuque due to the combination of high winds and the large hail. The hail was as large as soft balls in some areas of town, with hail falling for a 30 minute period. Some of the car insurance claims included one agency reporting 25 vehicle claims averaging \$4500 each, another had over 100 vehicles with average damage over \$3000, and yet another reporting 15 claims averaging between \$2000 and \$4000 each. Hundreds of homes in the city had windows blown out. The storm was described by city officials as the worst storm to hit the city in at least 20 years. One resident said it was the worst storm he had seen in Dubuque in 4 2 years. Wind driven hail actually punctured through the sides of a few homes with hail reported inside the homes. At one point, power was cut to 6000 residents in the city, or about 10% of the city. The winds removed about 1/3 of the roof off of the high school, with damage placed at \$75,000. Overall, the Dubuque school district reported about \$150,000 damage. The full seriousness of the situation will not be know for some time, however, at the time of this writing between 10,000 and 15,000 insurance claims for home and auto had already been filed. Minor flooding occurred over Clinton County. In the city of Clinton, two inches of rain fell in a short time, under an hour, resulting in significant urban flooding within the city. Major flooding was alleviated as the ground was quite dry and the storms were moving at nearly 25 knots. Minor urban flooding in the form of flooded streets occurred in Jackson County as well. This was especially true in the Bellevue area.

Keokuk County Sigourney	25	1015CST	Ž	0	0	4	2	Thunderstorm (G50+)	Winds
Washington County Washington	25	1050CST		0	0	3	0	Lightning	

Thunderstorms moved across parts of southeast Iowa. As the storms moved through the Sigourney

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti Da 1 Prope	mated mage rty Crops	August 1994
	fartl	, high winds her east, ligh sing minor da	ntning struc	rees and la	arge bra blant in	anches Washi	througl	nout the	e city. As the storms progresse d ghtning started a small fire ther e
Floyd County _4 SW Rockford	25	1147CST	C		0	0	5	4	Thunderstorm Winds (G65)
Butler County 8 SE Allison	25	1230CST			0	0	3	2	Thunderstorm Winds (G52)
Black Hawk County Waterloo Evansdale	25 25	1353CST 1410CST			0	0	3	1 4	Thunderstorm Winds (G52) Hail (1.00)
Black Hawk County IOWA Cont'd	25	1400CST- 1800CST	•		0	0	5	4	Flash Flooding
Monona County Mapleton	25	1500CST			0	0	4	0	Lightning
Clayton County 2 NE Volga	25	1515CST			0	0	4	0	Lightning
Kossuth County Algona	25	1633CST			0	0	4	3	Thunderstorm Winds (G65)
Ida County Battle Creek	25	2113CST			0	0	3	0	Lightning
	were in di in B fell i of the were It ble strik the t as the of the	e damaged by ameter peltect lack Hawk C in a one to two he city. Other a few damage ew out the care occurred at runk of the true lightning by	the winds of the Evans County. The of hour per er flooding ge reports sth registers t Volga in ree and entel lew out the Later in the	in the Algo dale area in ne city of V iod, floodi g was repon caused by li s, phones, a Clayton Co ered the ho wiring in t e evening, l	na area Black Vaterlo ng und rted in ght ning and sevounty. Duse the hou	which Hawk Co was e erpasse the coug strikes eral pie Lightnicough the se. Tw	were a count y especia s. Wat nty, bu s. Ligh eces of ing strue teleptenty or	as high a Heavy lly hard er was to the wo atning stelectricate a tree whone wind a reconstruction of the hone wind the w	n Kossuth County, several sheds as 75 MPH. Hail around an inch y rains also caused flash flooding thit. Three to five inches of rain up to 2 feet deep in several areas orst was in the city itself. There etruck a food market in Mapleton, al equipment. Another lightning the next to a house, traveled down ire. The result was an explosion ows were blown out by the force a County. It started a minor fire,
<b>Polk County</b>	30	0630CST- 0800CST			0	0	4	3	Urban Flooding
	inch the 1	es occurred o	over Polk Co Reports ind	ounty. Thi icated rain	s cause fall of	ed street up to tw	t floodi	ng in th	ot severe, they did produce heavy nfall of one to one and one hal f ne Des Moines metro area during If inches over the east side of the
KANSAS									
	Plea	se refer to th	ne second s	section of S	Storm	Data aı	nd Uni	ısual W	Veather Phenonema .
KENTUCKY		se refer to the rmation.	e second sea	ction of <b>St</b> o	orm Da	nta and	Unusi	ıal Wea	ather Phenonema for additional
Gallatin									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Esti Da: Prope	mated mage rty Crops	August 1994 Character of Storm
LOUISIANA	Plea	se refer to the	e second s	ection of S	Storm 1	Data aı	nd Unı	ısual W	Veather Phenonema .
MAINE									
York County	21	1615EST			0	0	?	0	Thunderstorm Winds
	recei	York County Sived roof dama ore than 1000	age directî	y attribute	d to the	wind.	po wer The lo	poles d cal pov	own in Lebanon. Several homes wer company reported lost power
MARYLAND									
Wicomico County 5E Salisbury	02	1024EST			0	0	0	0	Funnel Cloud
·	U.S. dam	Air pilot rep	orted sigh or any ind	nting a fun lication tha	nel clou	id five innel ev	miles r	orth of ched do	Salisbury Airport. There was no wn.
Worcester County 2E Ocean City	05	1510EST			0	0	0	0	Funnel Cloud
22 occur oxy	Ocea Stree	an City Beach	ready clea	ared the be	el cloud	out of	a thun	lerstorn	n over the ocean just east of 27th ning from the storm. Funnel was
Carroll County Winfield	11	2050EST			0	2	4	0	Lightning
	was	people were struck by ligh was destroye	tning and	set on fire	. The b	arn was	s in the	treatme Winfie	nt. A nearby barn filled with hay eld area off Woodbine Road. The
Howard County Ellicott City	13	1547EST			0	0	2	0	Thunderstorm Winds (G54)
	Win	d equipment	measured	a 62 mph	gust fro	om a th	underst	orm ne	ar Ellicott City.
Baltimore County Baltimore City	13	1700EST			0	0	3	0	Thunderstorm Winds
Durimore eng	Thur			ed a tree ne			-		n downtown Baltimore and blew
Frederick County	13	1700EST-			0	0	2	2	Thomas demotes were Winds
Carroll County	13	1710EST 1710EST-			0	0	2	2	Thunderstorm Winds
<b>Howard County</b>	13	1720EST 1710EST-			0	0	0	2	Hail(0.75)
	Fred	1720EST  Inderstorm with the More and in the More and the	and pea-	size hail f	feel for	5 to 10	) minû	tes. Thr	Hail(0.75)  nes near the Mount Airy area o f ee-quarter inch hail covered th e nty lines.
<b>Harford County</b>	14	1515EST	J	C	0	0	0	0	Funnel Cloud
	A fu	nnel cloud w	as sighted	in the nor	thwest	part of	the cou	inty. It	did not touch down.
St. Marys County Compton	17	0850EST			0	5	0	0	Thunderstorm Winds
		nderstom wind nd utility trail							in Compton. It tossed a 500-600 er around.
Calvert County N Portion	17	1005EST- 1015EST	2.0	50	0	0	2	0	Tornado(F0)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons	Estin Dar Proper	mated nage tv Crops	August 1994
							•		
	At 1 sigh	0:05 EST a fut ted near Rout	nnel was s e 260 and	ighted near Owings a	r Sunde nd a co	rland wi	ith swi r trees w	ling del vere blo	oris and trash. A funnel was also wn down.
Harford County	17	1100EST- 1200EST			0	0	2	0	Flood/Flash Flood
	Hear	vy rains dumpo sing flooding	ed over 2. of streams	50 inches of and some	of rain roads.	on the	western	portion	of the county in a couple hours
Frederick County	17	1800EST- 1930EST			0	0	2	0	Flood/Flash Flood
<b>Washington County</b>	17	1600EST- 1830EST			0	0	4	?	Flood/Flash Flood
MARYLAND Cor	ıt'd	10201251			v	v	-	•	11000/1100111000
	of ra	ain over Fred	erick and	Washingto	on Cou	nties. H	lagersto	wn rec	eryl dropped 3.00 to 5.00 inches orded its fourth heaviest rainfal 1 8 feet out of its banks.
Frederick County Frederick	21	1428EST			0	0	5	0	Lightning
	Ligh	ntning struck	and burne	d a historic	c barn i	n the ci	ity of F	rederick	at the School for the Deaf.
Carroll County Winfield	21	1538EST			0	0	4	0	Lightning
	Ligh days	htning struck s. The barn by	a barn ful urned to t	l of hay at he ground.	the Sh	amrock	Farm	near Wi	infield for the second time in 1 0
<b>Baltimore County</b>	21	1615EST		C	0	0	2	0	Thunderstorm Winds
	Thu	nderstorm wi	nds blew	down trees	and ca	used po	ower ou	ıtages.	
DISTRICT OF CO	OLU	MBIA							
	Non	e reported.							
MASSACHUSET'	TS								
Middlesex County Reading	05	1120EST			0	0	5	0	Lightning
	A li	ghtning strike	ignited a	fire which	gutted	l a barn	, resulti	ng in a	loss of an estimated \$50,000.
Bristol County Rehoboth Raynham	05	1330EST- 1338EST			0	0	?	0	Lightning
·		al police report onding of wat			. Num	erous a	ccident	s were 1	reported by Rehoboth police due
Plymouth County Middleboro	05	1350EST			0	0	?	0	Thunderstorm Winds
	Poli bran	ce reported seach went throu	everal tree	es and bran k windshie	nches beld. No	lown do injurie	own. In	n the ad	joining town of Lakeville, a tree d.
Worcester County Milford	05	1450EST			0	0	5	0	Lightning
	attic	olt of lightning and resulted nated at abou	in major	water dam	heted o	nto the the firs	roof of t and se	a house	e igniting a fire which gutted the loors of the house. Damage was
Berkshire County Pittsfield	13	0455EST- 0515EST			0	0	?	0	Thunderstorm Winds
	TD1							1	

There were numerous reports of trees and wires down, resulting in power outages.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Daı	mated nage ty Crops	August 1994 Character of Storm
Middlesex County S Portion	13	0630EST-			0	0	0	0	****
<b>Suffolk County</b>	13	0730EST 0700EST-			0	0	?	0	Lightning
Middlesex County Weston Newton	13	0830EST 0720EST- 0730EST			0	0	?	0	Lightning Thunderstorm Winds
Natick	acro	early morning	thunderst n suburbs	orm with of Boston	unusual	ly frequ	ient clo	oud to g	round lightning moved eastward city. In Weston and Newton,
MASSACHUSET									
	tran Sma The pow arou	sformers and all hail was re Boston Fire ver, triggered a	l knocked ported by Departme larm syste	out power the Nation ent reporter ms and hea	to an en lal Wear d its bu	estimate ther Ses siest tw floode	ed 20,0 rvice at vo housed roads	00 cust t Logan rs on re s. Light	nds. Lightning strikes blew ou tomers from Sudbury to Boston. International Airport in Boston. cord as lightning strikes cut of fining detection systems recorded es per hour, continuing for more
Worcester County Worcester	13	1715EST			0	0	5	0	Thunderstorm Winds (G60)
	roof	es were blow of an apartme vere thunders	ent building	g and blow	n sever	al hund	wood S lred ya	Streets rds awa	and insulation was torn from the y. A microburst associated with
Essex County Danvers	13	1735EST			0	0	?	0	Thunderstorm Winds
				were repor	ted blov	wn dow	n and	50 to 6	O telephone poles were knocke d
Essex County Beverly	13	1745EST- 1800EST			0	0	6	0	Thunderstorm Winds (G62)
	estir	al police rep	5 mph occu	ırred during	es blow g a sever	n dowr e thund	n. At a	the Bev n, flippi	erly Airport, a wind gust to a n ng over several light aircraft and
Norfolk County Millis	13	1720EST			0	1	0	0	Lightning
		nan was struc ased at a near			riding a	a golf c	art at a		ountry club. He was treated and
Norfolk County Foxboro	13	1730EST			0	22	4	0	Lightning
	Lighthro grou cam of th	ntning struck i ugh the roof o and beneath t pers were take ne injuries was alting in abou	of the recre he feet of en to area les s serious. I t \$40,000	ation cente people hol nospitals. A Elsewhere i damage.	ormander. Ano lding or At least t in Foxb Also in	y Farma ther strato alum ten othe oro, lig Norfol	s Campuck on ninum ers wer htning k Coun	oground e or mo tent po e treate strikes ity, the	s including one bolt that crashed re trees and traveled through the les or standing in water. Twelve d for injuries at the scene. None ignited fires in a barn and a shed Blue Hill Observatory in Milto n ph just after 7PM local time.
Plymouth County Brockton	14	1155EST			0	0	?	0	Thunderstorm Winds
		ce reported s	everal tree	es blown d					
Berkshire County Peru	21	1435EST- 1445EST			0	0	?	0	Thunderstorm Winds (G50)

Laurian	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons	Esti Dar	mated mage	August 1994
Location	Date	Standard	(Miles)	(Yards)	Kille	a injured	n Prope	ry Crops	Character of Storm
	Tree	es were reporte	ed blown	down.					
Hampshire County		•							
Cummington	21	1455EST			0	0	?	0	Thunderstorm Winds
E L.P C 4	Tree	es were reporte	ed blown	down.					
Franklin County Millers Falls	21	1513EST			0	0	?	0	<b>Thunderstorm Winds</b>
	Tree	es were reporte	ed blown	down.					
MASSACHUSET	TS C	ont'd							
Middlesex County Townsend	28	2210EST			0	0	?	0	Thunderstorm Winds
	A fe	w large trees, s	some up to	one foot i	n diam	eter, and	d power	lines w	ere knocked down. A peak gust
	to 47	7 mph was report Insend, and Fi	orted. Up	to 4,200 h	ome s 1	ost pow	er in to	wns wh	ich included Ashby, Lunenburg,
MICHIGAN									
	Plea	se refer to the	second s	section of	Storm	Data a	nd Unu	ısual W	eather Phenonema .
MINNESOTA									
Clay County									
S Moorhead	02	2000CST			?	?	?	?	Hail (1.75)
Crow Wing County 3.5SW Brainerd	07	1435CST			0	0	0	1K	Hail (2.00)
1W Pine Center	07	1500CST			0	0	0	0	Hail (1.00)
Morrison County 2S Little Falls	07	1530CST			0	0	0	0	Hail (0.75)
Yellow Medicine County	07	1620CST			0	0	?	?	Hail (1.75)
Wood Lake		4 (22 CCT)	0.4	10				•	
Renville County 1N Olivia	07	1633CST	0.1	10	0	0	0	0	Tornado (F0)
		rnado touched		•		-			•
Kandiyohi County 15S Willmar	07	1638CST	0.1	10	0	0	?	?	Tornado (F0)
		rnado touched	d down b	riefly near			•	•	
Redwood County Vesta	07	1650CST			0	0	0	0	Hail (0.75)
Wabbaso	07	1659CST			0	0	0	0	Hail (0.75)
Renville County Hector	07	1700CST			0	0	0	0	Hail (1.00)
<b>5NE Fairfax</b>	07	1722CST	0.1	10	0	0	0	0	Tornado (F0)
	A to	rnado touched	l briefly i	mear Fairfa	ax and	reporte	dly did	no dam	age.
Redwood County Lamberton	07	1735CST			0	0	0	0	Hail (0.75)
Cottonwood County 3N Westbrook	07	1750CST			0	0	?	?	Hail (0.75)
Nicollet County 1E Courtland	07	1824CST- 1834CST	0.5	30	0	0	0	?	Tornado (F0)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Estim Dama Property	ated age Crops	August 1994
								•	
		rnado briefly to Courtland.	ouched do	wn in an o	pen farr	n field a	and dam	aged 5	acres of corn, about 1 mile east
Murray County Fulda	07	1828CST			0	0	?	?	Hail (1.75)
.5S Fulda to 5W Kinbrae	07	1835CST- 1850CST	3.0	100	0	0	0	10K	Tornado (F1)
MINNESOTA Con	extr a fe	eme northern							led slowly southeastward into buildings were damaged but
	hund	dred acres of c	orn were	affected.					
Blue Earth County	07	1844CST			0	0	0	0	<b>Funnel Cloud</b>
Judson	Seve	eral funnel clo	uds were	spotted or	ver Jud	son.			
Rapidan	07	1845CST			0	0	?	?	Hail (1.75)
	Golf	fball size hail	pelted Ra	pidan.					
Nobles County 4W Kinbrae	07	1845CST			0	0	?	?	Hail (1.75)
Le Sueur County St. Thomas	07	1850CST			0	0	?	?	Thunderstorm Winds
St. Thomas	Stro	ng thundersto	rm winds	damaged	a powe	r station	and ble	ew ove	a large shed in St. Thomas.
Nobles County 4.5W-8NW Worthington	07	1900CST- 1920CST	6.0	500	0	0	.5M	?	Tornado (F1)
Worthington	Seve and	eral buildings power lines v	on two fa were blov	rmsteads vn down.	were o	destroy	ed. A n	umber	of hogs were killed and trees
Blue Earth County 1S Good Thunder-	07	1902CST- 1908CST	1	15	0	0	0	?	Tornado (F1)
1SE Good Thunder	A to		ed down i oximately	n a corn i 1 mile ar	field 1 id flatte	mile so ened a fi	uth of C	Good Torn.	hunder. It tracked to the east -
Garden City	07	1911CST			0	0	?	?	Hail (1.75)
	Golf	fball size hail	was repor	ted in Gai	den Ci	ty.			
Le Sueur County	07	1914CST			0	0	?	?	Thunderstorm Winds Le
Center	Stro	ng winds blew s were also kn	out windo	ows and too wn.	re shing	les and s	siding of	ff of a f	ew homes in Le Center. Power
Blue Earth County 3E Vernon Center-	07	1920CST- 1931CST	5	40	0	0	50K	?	Tornado (F2)
1E Sterling Center	As i Ster dam Cent	it tracked to t ling Townshi aged 3 more ba	he southe p, caused arns and 9 e amount 0	east, it dan significan more how of damage,	naged 4 nt crop mes bet there	barns, damage ore lifti were no	2 mobil by flat ng off the injuries	e home tening ne grou	3 miles east of Vernon Center. es and 2 homes. It then entere d a path through a corn field. It nd about 1 mile east of Sterling lities. Overall, 12-14 buildings
Waseca County 3SW Waterville	07	1925CST			0	0	0	0	Funnel Cloud
35 vv vv atervine	Seve	eral funnel clo	uds were	sighted o	ver Ree	ds Lake	, about	3 miles	southwest of Waterville.
Nobles County Worhtington	07	1927CST			0	0	?	?	Hail (1.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons 1 Injured	Esti Dai 1 Proper	mated mage rty Crops	August 1994 Character of Storm
Waseca County 2SE Waterville	07	1930CST			0	0	?	?	Hail (1.75)
2SE Watervine	Gol	fball size hail	was repoi	ted 2 mile	es south	neast of	Water	ville.	
5SW Waterville	07	1930CST	1	20	0	0	?	?	Tornado (F1)
									5 miles southwest of Waterville. eld, and an outdoor pool.
7SW Waterville	07	1935CST			0	0	?	?	Hail (2.00)
	Ove	ergrown golfba	ıll size ha	il was rep	orted 7	miles s	southwe	est of	Waterville.
MINNESOTA Co	nt'd								
Nobles County 2W Ransom	07	1955CST			0	0	?	?	Hail (0.88)
Faribault County Easton	07	2000CST			0	0	?	?	Hail (2.00)
		egg size hail	pelted Ea	ston.					
Kiester	07	2025CST	1. 1 77		0	0	?	?	Hail (2.75)
CEDI E 4		eball size hail	pelted Ki	ester.	•	0	0	0	TT 11 (4 85)
6E Blue Earth	07	2040CST		C!1	0 D1	0 	?	?	Hail (1.75)
Redwood County	09-	fball size hail: 0800CST	reported (	o mines eas	8t OI <b>D</b> I	ue Eart	.n. ?	?	Flash Flood
Vesta	10	0800CST					-		
	floo	ding of homes	and busin	esses in Ve	esta. Aı	n unoffi	cial rep	ort of 7.	he county causing considerable 99 inches occurred near Milroy. FT) on the 11th.
Roseau County	12	2202CST			0	0	0	?	<b>Thunderstorm Winds</b>
Roseau	Sev	ere thunderst	orm win	ds downe	d trees	and po	ower li	nes in R	oseau.
Aitkin County 1W Mora	12	2345CST			0	0	0	1K	Thunderstorm Winds (G60)
Becker County SW of Detroit Lakes	13	0117CST			?	?	?	?	Thunderstorm Winds (G52)
Ottertail County Perham	13	0130CST			?	?	?	?	Thunderstorm Winds (G58)
Todd County Staples	13	0217CST			0	0	0	0	Hail (0.75)
Marshall County SW of Stephen	18	1905CST			?	?	?	?	Hail (1.00)
Le Sueur County New Prague	19	0447CST			0	0	?	?	Hail 225
new Trague	Hail	l with a diame	ter of 2 1	4 inches f	ell in N	New Pra	ague.		
Rice County	19	0505CST			0	0	?	?	Hail (1.75)
Shieldsville	Gol	fball size hail	pelted Sh	ieldsville.					
2W Faribault	19	0514CST			0	0	?	?	Hail (1.75)
	Gol	fball size hail	was repoi	rted just 2	miles v	west of	Faribaı	ılt.	
Dodge County Wasioja	19	0620CST			0	0	?	0	Hail (0.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Dar 1 Proper	mated nage	August 1994
			, ,	, ,		5	-		
	Din	ne size hail fe	ll in Wasi	oja.					
Stearns County Melrose	23	1603CST			0	0	0	0	Hail (0.75)
Paynesville	23	1619CST			0	0	0	0	Hail (1.00)
Meeker County Watkins	23	1649CST			0	0	0	0	Thunderstorm Winds (G50)
<b>Eden Valley</b>	23	1650CST			0	0	0	0	Hail (0.75)
MINNESOTA Co	nt'd								
Stearns County Kimball	23	1654CST			0	0	?	?	Hail (1.75)
Wright County 2S Annandale	23	1710CST			0	0	?	?	Thunderstorm Winds Hail (1.75)
2S Maple Lake	23	1754CST			0	0	?	?	Thunderstorm Winds (G52)
Anoka County Blaine	23	1818CST			0	0	?	?	<b>Thunderstorm Winds</b>
Diame	A sı	mall airplane	was blowi	n into a fer	nce by	strong t	hunder	storm w	rinds.
Hennepin County	23	1823CST			0	0	?	?	<b>Thunderstorm Winds</b>
Rogers	A n	umber of tree	s were blo	wn down	by stro	ng thun	derstor	m wind	S.
Pope Coutny	25	1420CST			0	0	?	?	Thunderstorm Winds
Starbuck	Tree	es and power	lines were	blown do	wn by	strong t	thunder	storm v	vinds.
<b>Douglas County</b>		-							
Osakis	25	1428CST			?	?	?	?	Hail (0.75)
Morrison County Randall	25	1445CST			0	0	?	?	Hail (1.50)
Stearns County	25	1455CST			0	0	?	?	Thunderstorm Winds
Albany	Trre	es and power	lines blow	n down.					
Morrison County	25	1500CST			0	0	?	?	Thunderstorm Winds
Flensburg	Sev	eral large tree	s were blo	own down	by stro	ng thur	ndersto	m wind	s.
Renville County Renville	25	1500CST			0	0	?	?	Thunderstorm Winds
Fairfax	25	1510CST			0	0	?	?	<b>Thunderstorm Winds</b>
	Nur	nerouse trees	and powe	r lines blov	wn dov	vn by st	trong th	underst	orm winds.
Stearns County Sauk Centre	25	1511CST			0	0	?	?	<b>Thunderstorm Winds</b>
Sauk Centre	The	wall of a sch	ool near S	auk Centro	e was t	olown d	own by	strong	thunderstorm winds.
Morrison County 1N Little Falls	25	1512CST			0	0	?	?	Thunderstorm Winds
1W Pierz	25	1520CST			0	0	?	?	Thunderstorm Winds
	Stro	ong thundersto	orm winds	blew dow	n num	erous la	irge tre	es near	Little Falls and Pierz.
Mc Leod County Brownton	25	1524CST			0	0	0	0	Hail (0.75)
Stearns County Waite Park	25	1525CST			0	0	?	?	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Kille	nber of sons	Estii Dar 1 Proper	nated nage ty Crops	August 1994
111.711111	Date	. 11/21111/2111	, ventes,	<u> </u>	Kilica	- mjinea	- rojes	<u>.y</u>	V 190 (C. V.) (D. 300 H)
St Cloud	25	1529CST			0	0	0	0	Thunderstorm Winds (G56)
Mc Leod County Winsted	25 Tree	1530CST es and power	lines blow	ın down b	0 v strone	0 thund	? erstorm	?	Thunderstorm Winds
Benton County Sauk Rapids	25	1530CST			0	0	?	?	Hail (0.75)
MINNESOTA Co	nt'd								
Sibley County	25	1534CST			0	0	?	?	Thunderstorm Winds
Winthrop	Fou	r grain bins to	oppled by	strong wir	ıds.				Hail (0.75)
Benton County	25	1536CST			0	0	?	?	Thunderstorm Winds
Rice	Nur	nerous power	lines wer	e blown do	own.				
Sherburne County Elk River	25	1545CST			0	0	?	?	Thunderstorm Winds
<b>X</b>		ong thundersto	orm winds	demolish					
Morrison County Hillman	<b>25</b>	1545CST	1' 11		0	0	?	?	Thunderstorm Winds
<b>Todd County</b>	25	es and power 1548CST	lines blow	n down.	0	0	?	?	Thunderstorm Winds
Osakis		es and power	lines were	hlown do	•	V	•	•	Thunderstorm winds
Mille Lacs County	25	1553CST	imes were	010 1111 40	0	1	?	?	Thunderstorm Winds
Princeton	A ro	oof was blow	n from a b	uilding an	d a tree	was bl	lown on	to a car	and injured a woman.
Sibley County	25	1555CST			0	0	?	?	Thunderstorm Winds
Gibbon	Nur	nerous trees a	ınd power	lines blow	n dow	n.			
Wright County Buffalo	25	1556CST			0	0	?	?	Thunderstorm Winds
Duriuro		es and power	lines blow	n down.					
Isanti County Crown	25	1610CST			0	0	?	?	Thunderstorm Winds
And La Consta		barns blown	down by	strong thu	ndersto			0	Th
Anoka County Ramsey	25	1615CST	ala hama		U	0	?	?	Thunderstorm Winds
Ham Lake	25	of blown off p 1620CST	ole barn.		0	0	?	?	Thunderstorm Winds
		ailer home w	as lifted fi	om its fou			·	·	
Isanti County Cambridge	25	1620CST			0	0	?	?	Thunderstorm Winds (G73)
Sherburne County	25	1620CST			0	0	?	?	Thunderstorm Winds
Elk River	A la	arge tree was	blown thro	ow the pic	ture wi	ndow o	f a hom	e.	
Kanabec County 1W Mora	25	1630CST			0	0	5K	1K	Thunderstorm Winds (G60)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Esti Da Prope	mated mage rty Crops	August 1994
-						5	•		
Anoka County Anoka	25	1635CST			0	0	?	?	Thunderstorm Winds
IIIONU	Sev	eral buildings	were dam	naged by str	rong w	inds.			
Brown County Comfrey	25	1645CST			0	0	?	0	Hail (1.00)
·	-	arter size hail f	fell in Cor	nfrey.					
Pine County 4E Pine City	25	1655CST			0	0	?	?	Thunderstorm Winds (G75)
MINNESOTA Con	nt'd								
	Sev A si	eral large ilo and shed w	trees ar ere also b	nd power lown down	line 4E of	s wer Pine C	re blo	own do	wn in southern Pine Co.
Chisago County	25	1700CST			0	0	?	?	Thunderstorm Winds
North Branch	Tree	es and power	lines were	blown dov	vn.				
Washington County Scandia	25	1700CST			0	0	?	?	Thunderstorm Winds
Scandia	A b	arn was destro	yed and n	numerous tr	ees we	re blov	vn dov	n by stro	ong winds.
Nicollet County	25	1710CST			0	0	?	0	<b>Thunderstorm Winds</b>
5N St. Peter	Stro	ong winds blev	w down tre	ees 5 miles	north	of St. P	eter.		
<b>Koochiching County</b> <b>Northome</b>	27	0737CST			0	0	0	?	Hail (1.75)
Itasca County 1W Effie	27	0745CST			0	0	?	?	Hail (0.75)
Roseau County 2N Pinecreek	27	0750CST	Short	Narrow	0	0	?	?	Tornado (F0)
<u> </u>	Gut A d	ters on many o etached garage	f the buildi was blow	ings at the a n off its fou	airport indatio	were ri n. Num	pped onerous	off. Smal adult tre	red, but plane was a total loss. I storage shed totally destroyed. es were blown down and a U.S. Iting in power outages.
3SW Warroad	27	0805CST			0	0	0	?	<b>Thunderstorm Winds</b>
	Sev	ere thundersto	orm winds	downed nu	ımerou	is trees	at the	Lakewoo	od Trailer Park.
1W Warroad	27	0807CST			0	0	0	?	Thunderstorm Winds
	Sev	ere thundersto	rm winds	downed nu	ımerou	is trees.			
Warroad	27	0810CST			0	0	?	?	Thunderstorm Winds
		merous trees d 30 mph. A few							by a law enforcement official to
Lake of Woods	27	0812CST	Short	Narrow		0	0	?	Tornado (F0)
10NE Warroad		orts from resc th shore of La			ado we	est of L	ong Po	oint on th	ne
Roseau County	27	0820CST	ne of the	., 0005.	0	0	?	?	Thunderstorm Winds
1N Swift		railer home wa	as flinnad	over Nod					
Mille Lacs County	27	0906CST	is inpped	OVCI. INO U	01121 03	0	?	?	Hail (1.75)
Milaca			0 00#=	ma dam				•	11aii (1.73)
St. Louis County		estimated 150	o cars wei	re damaged	•	_		9	Heil (1.75)
St. Louis County 5N Island Lake	27	0925CST			0	0	?	?	Hail (1.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nı Po Kille	umber of ersons ed Injure	Estir Dan	nated nage ty Crops	August 1994		
			1, ******,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				· * · · · · · · · ·			
Crow Wing County 1W Garrison	27	0935CST			0	0	?	?	Hail (1.00)		
<b>Koochiching County</b> <b>International Falls</b>	27	0944CST			0	0	0	?	Hail (0.75)		
St. Louis County 5W Lakewood	27	0945CST			0	0	?	?	Hail (1.75)		
MINNESOTA Cont'd											
Koochiching County 2S International Falls	27	0948CST			0	0	0	?	Hail (1.00)		
I uno	Quarter size hail at WSO International Falls.										
St. Louis County 2N Duluth	27	0950CST			0	0	?	?	Hail (2.50)		
	Ten	nis ball si e severely dan		fell ale	ong	Highwa	ay 61	north	of Duluth. Four cars		
Koochiching County 3NE International	27	0952CST			0	0	0	?	Hail (1.25)		
Falls	Ping pong ball size hail near the town of Ranier. Hail was completely covering the ground.										
8E International Falls	27	1010CST			0	0	0	0	Hail (0.75)		
	Dime size hail at the Voyageurs National Park Visitors Center.										
MISSISSIPPI											
Harrison County	5	1617CST			0	0	3	0	Flash Flood		
Biloxi	Six inches of rain in Biloxi caused street flooding. A couple of homes had up to 2 feet of water in them. Edgewater Mall Closed for a short time due to flooding.										
Yazoo County 3 S Yazoo City	19	0830CST			0	0	2	0	Thunderstorm Wind (G48)		
	One large tree and several smaller trees were blown down by 55 mph thunderstorm winds.										
Harrison County 5 S Gulfport	30	1654CST			0	0	0	0	Waterspout		
	Two waterspouts were reported in Mississippi Sound just south of Gulfport.										
MISSOURI											
<del></del>	Plea	se refer to the	second se	ection of §	Storm	Data a	nd Unu	sual W	eather Phenonema .		
MONTANA											
Flathead County Columbia Falls	03	1700MST			0	0	5	0	High Winds		
	High winds blew over a drive-in movie screen and totally destroyed it.										
Powder River County 3 N Olive	10	1405MST			0	0	0	5	Hail (1.50)		
	Hail left a 40 mile long swath of damage to area crops and brought an unknown amount of property damage to sparsely populated area.										
Powder River County Broadus	10	1415MST- 1430MST			0	0	5	0	Thunderstorm Winds		

		Time Local/	Path Length (Miles)	Path Width	Number of Persons		Estimated Damage Property Crops		August 1994			
Location	Date	Standard	(Miles)	(Yards)	Killed	l Injured	Proper	ty Crops	Character of Storm			
	Thunderstorm winds blew off section of County Courthouse roof. Damages estimated in excess of \$100,000.											
Powder River County 5 E Broadus Blaine County	10	1430MST			0	0	?	?	Hail (1.75)			
4 E Cleveland	10	1400MST- 1415MST			0	0	?	?	Hail (1.75)			
Custer County 23 E Miles City MONTANA Cont'	10 <b>d</b>	1845MST			0	0	?	?	Hail (2.50)			
Flathead County NE Portion Park County Livingston Powell County Deer Lodge Fergus County 8 NE Roy	14	1645MST			0	0	?	?	Thunderstorm Winds			
	15	1532MST			0	0	?	?	Thunderstorm Winds (G58)			
	15	1622MST			0	0	?	?	Hail (1.00)			
	16	0300MST			0	0	4	0	Thunderstorm Winds			
	Thu	Thunderstorm winds blew off a large section of shed roof.										
Richland County Sidney	17	2214MST			0	0	2	0	Thunderstorm Winds			
	Larg	Large tree blown down.										
Jefferson County Whitehall	20	1630MST			0	0	4	0	Thunderstorm Winds			
VV IIIICIIUII		Roof of home damaged by wind.										
<b>Rosebud County</b>						_	_					
Rock Springs Powder River County 5 N Miles City	22	1647MST			0	0	3	0	Thunderstorm Winds (G63)			
	22	1715MST	1 11	1 1 .	0	0	5	0	Thunderstorm Winds			
Powder River County		Aircraft hanger and small plane destroyed.										
14 SE Broadus	22	1745MST			0	0	3	0	Thunderstorm Winds			
	Eigh	nt to ten inch	limbs blov	wn over po	wer lii	age.						
Dawson County Glendive	22	1815MST- 1855MST	•		0	0	0	0	High Winds (G60)			
MTZALL	All Month					0	?	?	Drought			
	drou cour adve	A combination of low winter snowpack and below normal summer rainfall brought widesprea d drought conditions to the entire state. Drought emergencies were declared in a number of Montana counties with 83% of the State reported under drought conditions at mid month. The drough t adversely affected stream fisheries due to low water levels and high water temperatures, lowered crop yields, and exacerbated wildfires.										
MTZALL	All Month				0	0	6	?	Wildfire			
Drought conditions and "dry lightning" thunderstorms combined to bring widespread wild Montana, especially over the western third of the State. Over fifteen hundred wildires were es to have started in the month of August, resulting in many thousands of acres of timber, grassla recreational resource loss. Combined cost of fire suppression and resource loss is in the n millions of dollars.								hundred wildires were estimated of acres of timber, grassland, and				
NEBRASKA												

#### DIVIDIXI

Please refer to the second section of **Storm Data and Unusual Weather Phenonema** for additional information.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width	Nur Per Killed	nber of sons	Esti Dai	mated nage	August 1994
	17211	.31/2110/2110	(Jerries)	(Tams)	Kilica	· · · · · · · · · · · · · · · · · · ·	ширы	<u>17 - C.10418</u>	V 1041/0.11.11.11.11.11.11.11.11.11.11.11.11.11
Greeley County Spalding	06	0100CST			0	0	?	?	Hail (1.75)
Perkins County Venango	07	1800MST			0	0	?	?	Hail (4.50)
Knox County Creighton	07	2020CST			0	0	?	?	Hail (0.75)
Garden County 6 S Oshkosh	07	1647MST			0	0	?	?	Hail (2.00)
Duel County 10 E Chappell	07	1743MST			0	0	0	0	Funnel Cloud
NEBRASKA Cont									
Adams County Hastings	07	2240CST- 2244CST			0	0	?	?	Thunderstorm Winds (G50)
			ls blew	over a co	nstruct	ion trail	er and	blew do	own a tree which downed powe r
Clara Carrata	lines	S.							
Clay County 6 ESE Clay	07	2250CST			0	0	?	?	Thunderstorm Winds (G56)
Center Harvard	07	2300CST			0	0	?	?	Thunderstorm Winds (G50)
	Thu	nderstorm winds	s blew o	down pow	er lines	S.			
Fillmore County Geneva	07	2315CST			0	0	?	?	Thunderstorm Winds (G50)
	Thu	nderstorm winds	s blew o	down large	tree li	mbs.			
Lincoln County 10 NE Wellfleet Brady	07 07	1531CST 1600CST			0	0	???	?	Hail (0.75) Hail (1.75)
5 SW Brady Custer County	07	1605CST			0	0		?	Hail (2.75)
15 W Callaway 12 SW Callaway	07 07	1620CST 1622CST			0	0	0 ?	0 ?	Funnel Cloud Hail (1.00)
10 SW Callaway 9 SW Callaway	07 07	1625CST 1630CST			0	0	???	?	Hail (1.50) Hail (1.00)
Frontier County Eustis	09	1635CST			0	0	?	?	Lightning
			ling, wl	nich result	-	-	•		ystem and radio.
Dawson County Cozad	09	2243CST			0	0	?	?	Thunderstorm Winds (G52)
Dawes County 2 N Chadron	11	1647MST			0	0	?	?	Hail (0.75)
Cheyenne County Potter	12	1700MST			0	0	?	?	Thunderstorm Winds (G55)
Scotts Bluff County Scottsbluff	16	1629MST			0	0	0	0	Dry Microburst
		icroburst with o	nly ligh	nt rain sho	wers p	oduced	brief g	gusty wi	•
Gage County	10	0245CCT			0	0	9	9	Thomas decreases Winds (C.52)
Beatrice	19 Stro	<b>0245CST</b> ng thunderstorm	winds	blew dow		0 limbs	?	?	Thunderstorm Winds (G52)
<b>Howard County</b>	Diro	ng munderstorn	winds	oiew dow	n acc	iiiios.			
Boelus Dannebrog St. Libory	19	0122CST			0	0	?	?	Thunderstorm Winds (G50)
Hall County Cairo Grand Island	19	0130CST			0	0	?	?	Thunderstorm Winds (G56)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons Injured	Esti: Dar Proper	mated nage ty Crops	August 1994
						5	•		
Doniphan	19	0135CST			0	0	?	?	Thunderstorm Winds (G50)
Adams County 4 N Hastings Hastings	19 19	0142CST 0145CST			0	0	?	?	Thunderstorm Winds (G67) Thunderstorm Winds (G50)
Hamilton County Aurora	19	0145CST			0	0	?	?	Thunderstorm Winds (G50)
Clay County Sutton	19	0220CST			0	0	?	?	Thunderstorm Winds (G50)
Fillmore County Fairmont	19	0228CST			0	0	?	?	Thunderstorm Winds (G50)
NEBRASKA Cont							_		
Geneva	19	0245CST		1 6.60	0	0	?	?	Thunderstorm Winds (G50)
	the 1 Don power susta and a one Offi over	9th. Trees wer iphan, Aurora er outages. In ained major dar a garage were coresidence. A ce. Grain bit	re uproote, fairmon Cairo, a lange and lestroyed. wind guns were pane tank	d or blown t, Geneva building th a large bill A conside ast of 77 m destroyed as were blow	over i and Ha at was board v rable a ph wa near A w over	n Boelus astings. under co was blow mount co s measu Aurora a and wir	s, Dan Some onstruction of roof red at and Sh adows	nebrog, of the treation was vn in Ale damage the Hashickley.	east across central Nebraska on St. Libory, Cairo, Grand Island, rees fell on power lines causing s blown down. A mobile home da. In Grand Island, a grain bin occurred at two businesses and tings National Weather Servic e In Sutton, a semi-trailer was own out of a business. The roof
Custer County 7 SE Berwyn	22	2350CST			0	0	?	?	Dry Microburst
v	and	ds estimated at	near 100 us large	mph destr branches o	oyed a out of t	500 bus rees. V	shel sto ery lit	eel grain	bin, put a hole in a garage roof ipitation and no lightning were
Lincoln County Sutherland	24	1630CST			0	1	?	?	Lightning
	Ligh	ntning struck a	man dur	ing footbal	l pract	ice.			
Hooker County Mullen	24	1710CST			0	0	?	?	Thunderstorm Winds (G50)
Rock County Newport	24	1345CST			0	0	?	?	Thunderstorm Winds (G50)
Holt County Atkinson	24	1430CST			0	0	?	?	Thunderstorm Winds (G50)
	Stro blow	ng thundersto vn down and la	rm winds	s started no limbs were	ear Ne broke	wport ann.	nd ext	ended to	around Atkinson. Trees wer e
Custer County Callaway	24	2350CST			0	0	?	?	Lightning
	Ligh	nting struck a t	ransform	er.					
Cedar County 2 N Hartington Furnas County	25	1302CST			0	0	?	?	Thunderstorm Winds (G61)
4 W Beaver City	25	1740CST			0	0	?	?	Hail (1.75)
Saunders County Mead Prague	25 25	1800CST 1810CST			0	0	?	?	Thunderstorm Winds (G50) Hail (0.88)
	Stro	ng thunderstor	m winds	caused da	mage to	o the roo	of of M	lead Hig	gh School.
York County 5 N York York	25 25	1829CST 1846CST			0	0	?	?	Hail (1.75) Hail (1.75)
4 NW Waco 6 S Waco	25 25	1847CST 1855CST			0	0	?	?	Thunderstorm Winds (G57) Hail (0.75) Thunderstorm Winds (G61)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons I Injured	Esti Da I Prope	imated mage rty Crops	August 1994
Douglas County 11 SW Omaha	25	1900CST			0	0	?	0	Lightning
~	Ligh	ntning struck	a home	near 168th	Street				za which caused about \$25,00 0
W L C	dam	age.							
York County York	25	1919CST			0	0	?	?	Hail (1.75)
NEBRASKA Cont	t'd								
Fillmore County 3 SE Exeter	25	1920CST			0	0	?	?	Hail (2.75) Thunderstorm Winds (G69)
York County 4 E McCool									
Junction 9 E McCool	25	1928CST			0	0	?	?	Thunderstorm Winds (G50)
Junction	25	1935CST			0	0	?	?	Thunderstorm Winds (G50)
	Filli busii prop	more countienesses in Yorl	es. Crop k had wind h a reside	damage ir lows broker ence south	n York n out by east of	County hail. E Exeter	y was Baseball	estimate l-siz e ha	ensive crop damage in York and ed at over \$3 million. Severa l il, driven by 80 mph winds, was m buildings were destroyed by
Nemaha County 1.5 W Brock	25	1945CST			0	0	?	?	Thunderstorm Winds (G55)
			orm winds	blew dow	n powe		. Dam		as estimated near \$30,000.
Sarpy County 1 NE Gretna	25	1820CST			0	1	0	0	Lightning
	Ligh	ntning struck	a man nea	ar 199th St	treet an	d Cornl	husker	Road.	The man sustained a concussion.
Saline County 1 E Friend 12 W Wilbur Swanton	25 25 25	1929CST 2010CST 2045CST			0 0 0	0 0 0	??	???	Hail (1.75) Hail (1.75) Hail (1.00)
	Hail	, up to golfba	all-size, da	amaged tre	es, two	grain b	oins and	d 48,000	) acres of crops.
Jefferson County Fairbury	25	2205CST			0	0	?	0	Lightning
1 W11 ~ W1 J		ghtning strike	e caused a	house fire		ŭ	·	v	gg
NEVADA									
	Plea	se refer to th	e second s	section of S	Storm	Data a	nd Uni	usual W	eather Phenonema .
NEW HAMPSHIE	RE								
<b>Rockingham County</b>	13	0630EST			0	1	0	0	Lightning
	A L strik	ondonderry ing outside h	woman re er home.	ceived min	nor inju	ıries wł	nen ligl	ntning to	raveled through the ground afte r
<b>Rockingham County</b>	13	<b>Evening</b>			0	0	4	0	<b>Thunderstorm Winds</b>
	Thu: Islar	nderstorm wand Pond in D	inds blew erry. Esti	over a 100 mated dam	)-foot page wa	oine tree as \$10,0	e on to <sub>j</sub>	p of a re	esidence and two vehicles at Bi g
<b>Merrimack County</b>	21	1400EST			1	0	0	0	<b>Thunderstorm Winds</b>
	Incr The	easing winds winds, estima	s capsized ated at 50 n	a sailboat nph, were a	during pparen	a boat tly asso	race or	n Lake S with a tl	Sunnapee, drowning the captain . hunderstorm gust front. (M590)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Kille	nber of sons	Esti Da: Prope	mated mage rty Crops	August 1994
				<b>, , , , , , , , , , , , , , , , , , , </b>				,	
NEW JERSEY, N	orthe	ern							
Somerset County Bridgewater Bergen County	13	1540EST			0	5	0	0	Lightning
Mahwah Bergen County	13	1543EST			0	0	?	0	Thunderstorm Wind
Ramsey Hackensack	13	1544EST			0	0	?	0	Lightning
NEW JERSEY, N	orthe	ern Cont'd							
Union County Plainfield	13	1600EST			0	0	?	0	Thunderstorm Wind
Union County Linden Middlesex County Bergen County	13 13	1640EST 1641EST			0	0	?	0	Lightning Lightning
Elmwood Park Englewood	13	1748EST			0	0	?	0	Lightning
Englewood	One	of these was	strong en	ough to do	wn sev	eral tree	es and	power li	the formation of thunderstorms. nes. In Bridgewater, a baseball juring five men.
Middlesex County Old Bridge	14	1453EST			0	0	?	0	Thunderstorm Wind
J	A co	old front mov erated winds	ing throug sufficient	gh the area to down so	produo me po	ced som wer line	e isola s.	ted thun	derstorms. One of these storms
Hunterdon County Readington Twp- S. Tewksbury	17	1515EST	1.5	100	0	0	?	0	Tornado (F1)
21 201122402	Cou near	inty. After its	s initial to ore touchin	uchdown, ng the grou	it rema nd aga	ined on	the gr	ound for	that skipped across Hunterdo n about 1 mile. It then lifted fo r r path of damage about 0.5 mile
Bergen County Cliffside	17	1900EST			0	0	?	0	Heavy Rain
Carristat	The	roof of an apa	rtment co o one was	mplex coll injured bu	asped 1	ınder th	e weig	tht of acc	cumulated water from the heavy d significant damage.
Bergen County Lyndhurst Rutherford	17	2245EST			0	0	?	0	Lightning
Bergen County Lyndhurst Rutherford	17	2245EST			0	0	?	0	Thunderstorm Wind
Rutherford	and	ery moist and power lines tning.	unstable a In addit	irmass protion, a few	duced s home	some iso s sustaii	olated t ned sig	thunders gnificant	torms that downed several trees fire damage after being hit by
Monmouth County Allentown	21	2130EST			0	0	?	0	Thunderstorm Wind
Millstone Twp			ing across	the area tr					erstorms which downed several
		s and power l		are area ti	-55010	L DOME !		os mana	order which downed bevolut
NJZ003>006-010> 014 NE New Jersey	22	1000EST- 2300EST			0	0	?	?	Urban Flooding
	A s	trong low prosiderable urba	essure cer	nter develo	ped of	f the No	ew Jer	rsey coas	st. Very heavy rains produce d
Warren County	2011		11000111	5 un ougno	at the t				

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons	Esti Dai	mated nage	August 1994
Liteation	Date	Standard	Omesi	CLARIS	Killet	- mjinec	r Fropes	iy Ciops	Character of Storm
Belvidere	27	1615EST			0	0	?	0	Thunderstorm Wind
Hunterdon County Franklin Twp	27	1710EST			0	0	?	0	Thunderstorm Wind
		ist and unstateral trees and			n prod	uced so	ome iso	lated se	vere thunderstorms that downe d
Sussex County Ogdensburg	28	2215EST			0	0	?	0	Thunderstorm Wind
Sparta NEW JERSEY, N	orth	ern Cont'd							
	Moseve	ist and unstaberal trees and	ole air ove power lin	er the regions.	n prod	uced so	ome iso	lated se	vere thunderstorms that downe d
NEW JERSEY, So	outhe	ern							
Burlington County Chesterfield	02	1700EST	1.0	100	0	0	?	?	Tornado (F1)
	Cou	nty. The torn	ado touch	ed down ir	ı Chest	erfield '	Townsł	nip and	destroyed a brick barn, uprooted aged a couple of classic autos in
Mercer County Windsor	13	1640EST			0	0	?	?	Thunderstorm Winds
	A 6 lost	0-foot tree wa power in Me	ns uproote rcer Coun	d and smas	shed a	parked	car in V	Vindsor	Township. About 1,000 homes
Mercer County Ewing	14	1430EST			0	0	?	?	Thunderstorm Winds
Hamilton Square	Sca	ttered tree lim	bs and po	wer lines	were ki	nocked	down i	n Ewins	g and Hamilton Townships.
Gloucester County 4 S Paulsboro	14	1530EST	1		0	0	?	?	Lightning
10144100010	A li	ightning strik	e overloa o injuries	ded the ba were repo	sement	t transfe	ormer a	nd star	ted a fire in an East Greenwich had to be evacuated.
Salem County Elmer	21	1940EST	J	•	0	0	?	?	Thunderstorm Winds
	Tree	es were knock	ked down	in Elmer.					
<b>Mercer County</b>	21 22	2330EST- 0630EST			0	0	?	?	Flood/Flash Flood
	urba pm	an and small st	ream flash st, crested	flooding.	The As	sunpink	c Cr eek	reache	r over Mercer County, produced d its flood stage of 7 feet at 1130 l was within its banks by 630 am
Gloucester County 3 W Woodbury	22	0800EST			0	0	?	?	Rain and Wind
	A st	eady soaking a uprooting of a	rain and no a 125 foot	ortheast wi	nds gu est Dep	sting to tford.	20 mpl	h was e	nough of a combination to cause
<b>Mercer County</b>	22	1600EST-			0	0	9	0	Flood/Floob Flood
<b>Camden County</b>	23 22	0200EST 1600EST-			0	0	•	?	Flood/Flash Flood
	Λ	2000EST	nal ovolon	a davalos	0 ad alon	0 or the M	? Tiddle /	?	Flood/Flash Flood Coast on the 22nd and produced

A rare extratropical cyclone developed along the Middle Atlantic Coast on the 22nd and produced a daylong soaking rain over southern New Jersey. Storm rainfall totals were 3.8 to 4.8 inches over the Assunpink Basin with 1.5 to 3 inches falling over most of the rest of southern New Jersey. While the rain was falling light enough to be absorbed by most streams without much consequence, the

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pers	lber of ons Injured	Esti Dai Prope	mated mage rty Crops	August 1994
	Rive back its f	r in Trenton re to bankfull a lood stage of	eached floo t 2 am ES 2.8 feet at	od stage of 7 T on the 2 t 4 pm EST	7 feet a 3rd. F Γ, crest	it 4 pm arther s ted at 2	EST, c south th .86 fee	rested a ne Coop et at 5 pi	much to handle. The Assunpink at 8.5 feet at 9 pm EST and went er River in Haddonfield reached m EST and went back within it s s were reported.
NEW JERSEY, So	outhe	rn Cont'd							
Atlantic County Hammonton	27	2305EST			0	0	?	?	Thunderstorm Winds (G59)
	A Sl	KYWARN sp	otter meas	sured a wir	nd gust	to 68 1	mph in	Hammo	onton.
NJZ015>019	All S	Season							Record/Excessive Heat
	of 1 Inte	994 was one	of the h	ottest on a	record was the	in Sou e hotte:	ithwest st on r	: New J ecord w	al summer (June, July, August) ersey. At nearby Philadelphi a ith a mean temperature of 78. 4 1993.
<b>NEW MEXICO</b>									
	Plea	se refer to the	second se	ection of S	torm l	Data aı	nd Unu	ısual W	eather Phenonema .
NEW YORK, Cen	tral								
Broome County Binghamton Binghamton	01 01	1100EST 1105EST			0	0	3 3	0	Lightning Thunderstorm Wind
Delaware County Corbett	01	1220EST			0	2	4	0	Lightning
Dutchess County Poughkeepsie Hopewell	01 01	1430EST 1430EST			0	0	4 3	0	Thunderstorm Wind Thunderstorm Wind
Junction	area dow light Poug	during the af n by thunderstoning struck	cternoon o orm winds a metal j l Hopewel	f August 1 while light plant injur Il Junction	st. In I ning ca ing tw thunde	Binghai aused tra o wor erstorm	mton n ansfor r kers a winds	umerous ner fires nd dam	y York as they moved across the strees and a shed were knocked a knocking out power. In Corbett aging electrical equipment. In I numerous trees and powerlines
Montgomery County	02	1500ECT							
Fonda	02	1500EST- 1600EST			0	0	3	0	Urban Flood
Fonda Saratoga County	02	1524EST			0	0	4	0	Thunderstorm Wind
Ballston Lake Saratoga Springs Madison County	02 02	1539EST 1550EST			0	0 1	3 4	0	Thunderstorm Wind Lightning
Madison	02	1550EST			0	0	0	0	Hail (0.75)
Saratoga County Clifton Park	02	1600EST			0	0	3	0	Thunderstorm Wind
Burnt Hills	02	1605EST			0	0	0	0	Hail (1.75) Thunderstorm Wind
Crescent Albany County	02	1605EST			-		_		
Cohoes Albany	02 02	1645EST 1645EST			0	0	3 4	0	Thunderstorm Wind Thunderstorm Wind
Otsego County Otsego	02	1700EST			0	0	4	0	Lightning
Chenango County Norwich	02	1715EST			0	0	3	0	Thunderstorm Wind
Rensselaer County Troy Troy	02 02	1730EST 1730EST			0	0	4 3	0	Lightning Thunderstorm Wind

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed		Esti Dai Prope	mated mage rty Crops	August 1994
Troy	02	1730EST- 1830EST			0	0	4	0	Urban Flood
Rennselaer Rennselaer Cortland County	02 02	1730EST 1730EST 1745EST			0	0	3	0	Thunderstorm Wind Thunderstorm Wind
Cortland	02	1930EST			0	0	3	0	Lightning
NEW YORK, Cen	tral (	Cont'd							
Otsego County Middlefield	02	2030EST			0	0	3	0	Lightning
	after thun Fond a tree	rnoon and ev derstorm win da, Albany, T e limb which f	rening hou ds along roy and m ell through	urs of Aug with dama nuch of sou n the winds	gust 2n ge fron athern S hield of	d. Num n lightn Saratog a car b	nerous ning str a Cour elow in	trees and ikes. Are nty. In Sonjuring to	d of a cold front during the late of powerlines were downed by mong the areas hardest hit wer e aratoga Springs lightning struck he driver. In Fonda a trailer was he Mohawk River.
St. Lawrence County Morristown Black Lake Gouverneur Lisbon Madrid 5 E Mount Arab	04 04 04 04 04 04	1643EST 1645EST 1700EST 1700EST 1726EST 1828EST			0 0 0 0 0	0 0 0 0 0	3 2 2 2 2 2 0	0 0 0 0 0	Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind Hail (0.88)
	even Thu pow	ing hours of A nderstorm wi	lugust 4th nds down	resulting i led numer	n sever	e thund es in M	lerstori Iorristo	ms acros own with	rk during the late afternoon and s parts of St. Lawrence County. In scattered reports of trees and deported along the west shore of
Areawide	06 07	$\mathbf{AM}\\\mathbf{AM}$			0	0	0	?	Record Cold
	and ' the p of A	7th of August. orevious record	At Alban l of 47 deg g the previo	y the temp grees set in ous record	erature 1957, w of 48 d	droppe hile the egrees	ed to 4. e tempe set in 1	5 degree erature d 979. A f	ws were broken on both the 6th s on the 6th of August breaking lropped to 46 degrees on the 7th few places even had frost on the ees.
Delaware County Grand Gorge	13	0315EST			0	0	3	0	Lightning
Albany County Guilderland	13	0400EST			0	0	3	0	Thunderstorm Wind
Rensselaer County Troy	13	0405EST			0	0	3	0	Thunderstorm Wind
Ulster County Rosendale Kingston	13 13	1510EST 1517EST			0	0	3 3	0	Thunderstorm Wind Thunderstorm Wind
Dutchess County Rhinebeck Staatsburg Millbrook	13 13 13	1525EST 1530EST 1545EST			0 0 0	0 0 0	3 3 3	0 0 0	Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind
	13th York the e grou Late	of August wa cearly that mo early morning nd lightning st	s responsiterning and the strain of the stra	ole for seve during the the 13th on derstorm d of thunder	re thung afterno of Augu winds c erstorm	derst orr oon. Th ist acco lowned is down	ms whi ne first ompanion trees a ned tree	ich occur round of ed by a and pow	and southeast New York on the rred across parts of eastern New f thunderstorms occurred during tremendous number of cloud t o erlines in Guilderland and Troy, owerlines across eastern parts of
Washington County Salem	14	1512EST			0	0	3	0	Thunderstorm Wind

		Time Local/	Path Length	Path Width	Nun Per	nber of	Esti: Dar	nated	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	İnjured	Proper	nage ty Crops	Character of Storm
	Thu Cou		inds down	ed a few tr	ees du	ring the	aftern	oon of	the 14th in Salem in Washington
Tioga County	18	0200EST- 1045EST			1	0	6	0	Flash Flood
<b>Cortland County</b>	18	0300EST-				0			
NEW YORK, Cen	tral	1500EST Cont'd			1	U	5	0	Flash Flood
Otsego County	18	0906EST- 1500EST			0	0	5	0	Flash Flood
<b>Chenango County</b>	18	0948EST- 1245EST			0	0	5	0	Flash Flood
<b>Delaware County</b>	18	0948EST- 1245EST			0	0	4	0	Flash Flood
	Flasi		ulted acros	s parts of t	-		na and		n Catskill Regions of New York
	dam of ra dam tried Cree with Rive Gilb road wasl	age was reporting fell across ages, mostly if to leave herek. In Cortland damage to the corts wille and the sustained thouts. In Cherek. In Cherek.	ted as man the area. The n the Wave stranded of l County man homes. A County dan Unadilla. severe dan ango Cour	y streams toga County area. A pickup trudany stream 2-year-olcomage occurr At least 14 mage. In a pity flooding	and rivy was he and rivy was he addition and the addition and along along and riversity and the addition and along along was he addition and along along was he addition and the	ers in the ardest lear-old woman lowed the rowned ads and s were constructed the stream stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to the stream to th	he area hit with woman n drown heir ban in Der d privat damage Route s under	overflom \$1.5 mm was king was king was king was and was resided in the formal was remined.	n the 18th of August. Extensive owed their banks as 2 to 4 inches illion in property and municipal lled in the Town of Tioga as she en she was swept down Mitchell several mudslides were reported then she fell in the Tioughniog a ences in the towns of Butternuts, a area. In Butternuts alone seven closed for several hours due to bridges and in Delaware County (F46V)(F02O)
Schenectady County Glenville Saratoga County	20	1600EST			0	0	3	0	Thunderstorm Wind
Malta Burnt Hills	20 20	1600EST 1600EST			0	0	<b>0 3</b>	0	Hail (1.50) Thunderstorm Wind
	afte	evere thunde rnoon of Au iderstorm left	gust 20th	resulting i	n dow	ned tre	es and	powerl	chenectady Counties during the eines and large hail. The sever eer.
St. Lawrence County Edwardsville	21	0024EST			0	0	5	0	Lightning
Cortland County Marathon Messengerville	21 21	0915EST 0915EST			0	0	3	0	Thunderstorm Wind Thunderstorm Wind
Washington County Fort Miller	21	1215EST	1.2	50	0	1	5	0	Tornado(F1)
roit miner	Isola 21st a 60 hous recei dow	ated severe the of August. As of foot high co se, toppled a c	understorn n F1 tornac oncrete sil amper trai uts from fl Edwardsvil	ns moved a lo skipped o, tore she ler and ble ying glass. le lightning	across p 3 time et meta w wind In Ma was be	parts of s along al from dows ou rathon a clieved	a 1.2 m two ba it of tw and Me to be re	New Ynile path rns, ren o house ssenger sponsib	York ahead of a cold front on the in Fort Miller where it downed noved part of the slate roof of a ss. One man was slightly injured wille severe thunderstorm winds ble for a barn fire during an early
Broome County Binghamton	28	1845EST			0	0	2	0	Lightning
Greene County Freehold	28	2200EST			0	0	5	0	Lightning
Dutchess County Fishkill	28	2215EST			0	0	3	0	Thunderstorm Wind
	was	ere thunderste responsible t age to a vaca	for damage	e to a porc	h in Bi	the Fish nghamt	ikill are on and	ea late o for stai	on the 28th of August. Lightning ting a fire which caused serious

		Time Local/	Path Length	Path Width	Per	nber of sons	Esti Dai	mated nage	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injure	d Proper	ty Crops	Character of Storm
NEW YORK, Coa	stal								
Orange County Warwick	01	1930EST			0	0	?	0	Thunderstorm Wind
	A re	latively moist	and unstal	ble airmass	gave ri	se to se	ve ral th	nunders	torms late in the day. One storm
Kings County	prod	iucea winas t	nat downe	ed a few tre	ees wn	ich in u	urn dow	ned so:	me power lines.
Coney Island	05	1000EST			0	7	0	0	Lightning
	seve	one thunderst ral cloud to gr seriously inju	ound light	tning strike	es. At	a Cone	y Islanc	l beach.	ork City. This storm generate d a young girl was struck directly ghtly injured.
Nassau County Woodmere	05	1445EST			0	0	?	0	Lightning
Suffolk County S. Hampton	05	1620EST			0	0	?	0	Thunderstorm Wind
Suffolk County Wading River	05	1620EST			0	0	?	0	Lightning
	stro	ng storm mo	oved onsh	ore throug	gh the	Hampt	tons, do	owning	thunderstorms. One particularly several trees and power lines. er being hit by lightning.
Richmond County Kings County Queens County Nassau County Nassau County Nassau County	13 13 13 13 13	1620EST 1627EST 1640EST 1645EST 1645EST			0 0 0 0	0 0 0 0	???????	0 0 0 0	Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind Lightning
Port Wash- ington	13	1815EST			0	0	?	0	Thunderstorm Wind
Great Neck	A ho	ot, moist and	unstable a oduced wi	irmass cov nds strong	ering t	he area	contrib	outed to	the formation of thunderstorms.
Nassau County Oceanside	14	1530EST			0	0	?	0	Lightning
Oceanside			ving thro	ugh the are	-		-		thunderstorms. In Oceanside, a
NIN/70/0.004	light	tning strike ca							,
NYZ069>081 SE New York	22	1000EST- 2300EST			0	0	?	?	<b>Urban Flooding</b>
Nassau County Rockville Centre	22	2000EST			0	0	?	0	High Winds
Rockland County Stony Point	22	2000EST			0	0	?	0	High Winds
Westchester County Mamaroneck	22	2000EST			0	0	?	0	High Winds
	cons	iderable urba ease during th	n flooding	throughou	ût the a	rea. A	s the lo	w conti	ast. Very heavy rains produce d nued to develop, winds began to owned as a result of these strong
NEW YORK, Wes	stern								
Onondaga County Camillus Cayuga County	02	1415EST			0	0	4	0	Thunderstorm Wind

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons Injured	Esti Da Prope	imated mage rty Crops	August 1994
Union Springs Monroe County Genesee County Cattaraugus County	02 02 02	1500EST 1605EST 1703EST			0 0 0	0 0 0	3 4 4	0 0 0	Thunderstorm Wind Flash Flood Flash Flood
Allegany St Pk	02	1728EST			0	0	4	0	<b>Thunderstorm Wind</b>
NEW YORK, Wes	stern	Cont'd							
	The	nderstorms that strong winds cour inches in s	downed tre	es and wir	es. In a	ddit ion	, the he	eavy rai	vinds during the afternoon hours. ns from the thunderstorms (three ads.
Chautauqua County Sinclairville	04	1400EST			0	1	4	0	Thunderstorm Wind
Cattaraugus County Machias	04	1513EST			0	0	4	0	Thunderstorm Wind
Niagara County Youngstown	04	1515EST			0	0	3	0	Thunderstorm Wind
Cattaraugus County South Valley Orleans County	04	1529EST			0	0	3	0	Thunderstorm Wind
Ridgeway Jefferson County	04	1545EST			0	0	4	0	Thunderstorm Wind
Watertown	04	1700EST			0	0	3	0	<b>Thunderstorm Wind</b>
	Thu In S	nderstorms ahd inclairville, o	ead of a co	ld front pro as injured	oduced o when a	damagi falling	ng wing tree p	ds which	ch downed trees and power lines. Im in his automobile.
Allegany County Cattaraugus County Cattaraugus County Chautauqua County	13 13 14 14	2148EST 2148EST 0140EST 0310EST			0 0 0 0	0 0 0 0	4 4 4 4	0 0 0 0	Flash Flood Flash Flood Flash Flood Flash Flood
	Hea base	vy rains resulte ements floode	ed in flash d. Roads	flooding o	ver the ved by fl	western ood wa	southe	rn tier o Andove	counties. Many streets and some er, Olean and Jamestown.
Chemung County Tompkins County Steuben County Schuyler County Cayuga County Chemung County Schuyler County Tompkins County	18 18 18 18 18 18 18	0230EST 0300EST 0330EST 0430EST 0445EST 0830EST 0930EST			0 0 0 0 0 0	0 0 0 0 0 0	7 5 6 5 5 5 5 5 5 5	0 0 0 0 0 0	Flash Flood Flash Flood Flash Flood Flash Flood Flash Flood Flash Flood Flash Flood Flash Flood
	Ren Sou cour of A dam Cou brid the repo	nnants of Tro thern Tier and the was hardes shland, Elmira aged qualifying the towns ges) were esting flood plain opted to a few	d Eastern t hit. The n, and Elm ng for stat of Campbonated at S f the inle roads and	Finger La Town of S ira Heights e assistance ell, Erwin 6650,000. t to Owaso I 16-18 ho	kes Reg Southpo s were al ce. The and Ho In Cayo co Lake omes in	gion. In sustants sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of the sustants of	n Chennined not hit. It hit. It an est ere har unty secure to reme so	nung Coearly \$3 Well over timated redest hit everal buthree fe outhern	of rain over parts of the Centra labounty the southern portion of the million in damages. The towns er 25 homes and businesses were 60 - 70 evacuations. In Steuben Municipal damages (roads and usinesses in the Moravia area (in et of water. Damages was als o part of the county. In Tompkins ads and basements were flooded.
Tompkins County Dryden	21	0815EST	1.0	100	0	0	5	0	Tornado (F0)
	dest dam	. A barn colla troyed it. Pov	apsed. Se wer and te ngles were	veral large lephone li blown off	e trees vines were E. Eaves	were do re takeı were p	owned n dowr eeled u	on hom 1. Seven 1p. Chi	ryden along State Routes 13 and es. A large tree fell on a car and ral buildings sustained light roo f mneys were damaged. Windows
Ontario County Geneva	21	0130EST	2.0	100	0	0	5	0	Tornado (F1)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Perso Killed	ber of ons Injured	Estim Dama Property	ated age Crops	August 1994
NEW YORK, Wes	Rout the st acros	e 14. The initiation of the second representation of the second representa	al touchdo oute 14 it	wn occurre destroyed	ed on the	he west grain e	side of elevator	Rte. 14 s. Piec	eneva near Packwood Road and I where trees were downed. As es of the buildings were strewn a dozen trees were
									extensive damage to a stand of totally destroyed.
Niagara County Lockport	25	1405EST	2.0	30	0	0	4	0	Tornado (F0)
	short	rnado touched lengths along downed and	the path.	Damage v	was ma	ainly co	nfined	he torn to one p	ado was on the ground only for property where three large trees
<b>Chemung County</b>	25	1900EST			0	0	4	0	Flash Flood
		y rains resulted ast side of Elr							ks in the town of Southport and
<b>Erie County</b>	27	0520EST			0	0	5	4	Flash Flood
	wate		ards and						of Boston and Eden. The flood erts and crops. Damages wer e
Erie County Clarence	28	1200EST			0	0	4	0	Thunderstorm Wind
Niagara County							-		
Lockport Orleans County	28	1200EST			0	0	4	0	Thunderstorm Wind
Shelby Niagara County	28	1200EST			0	0	4	0	Thunderstorm Wind
Lockport	28	1210EST	0.6	10	0	0	4	0	Tornado (F0)
Chautauqua County Cherry Creek	28	1215EST			0	0	4	0	Thunderstorm Wind
Fredonia Stockton	28 28	1215EST 1230EST			0	0	4 4	0	Thunderstorm Wind Thunderstorm Wind
Fredonia	28 28	1230EST 1230EST	2.0	10	Ö	2	5	0	Tornado (F1)
Erie County Amherst	28	1230EST	0.3	8	0	0	4	0	Tornado (F0)
Ontario County			0.5	O			-		, ,
Clifton Springs Wayne County	28	1245EST			0	0	4	0	Thunderstorm Wind
Sodus	28	1245EST			0	0	4	0	Thunderstorm Wind
Livingston County Dansville	28	1249EST			0	0	4	0	Thunderstorm Wind
Niagara County Lockport	28	1250EST			0	1	4	0	Thunderstorm Wind
Cattaraugus County									
South Dayton Monroe County	28	1300EST			0	0	4	0	Thunderstorm Wind
Webster	28	1300EST			0	0	4	0	Thunderstorm Wind
Spencerport Erie County	28	1300EST			0	0	4	0	Thunderstorm Wind
Alden	28	1301EST			0	0	4	0	Thunderstorm Wind
Genesee County Darien Center	28	1301EST			0	0	4	0	Thunderstorm Wind
Monroe County Penfield	28	1320EST			0	0	4	0	Thunderstorm Wind
Oswego County Hannibal	28	1325EST			0	0	4	0	Thunderstorm Wind
Cattaraugus County Leon	28	1330EST			0	0	4	0	Thunderstorm Wind
Oswego County Granby Center	28	1350EST			0	0	4	0	Thunderstorm Wind

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Perso Killed		Estin Dan Propert	nated lage v Crops	August 1994
Jefferson County Adams Center	28	1415EST		. ,	0	0	4	0	Thunderstorm Wind
NEW YORK, Wes	stern	Cont'd							
Oswego County Fulton Wyoming County	28	1430EST			0	0	4	0	Thunderstorm Wind
Warsaw	28	1450EST			0	0	4	0	<b>Thunderstorm Wind</b>
Erie County Alden	28	1534EST			0	0	4	0	Thunderstorm Wind
Allegany County Fillmore	28	1540EST			0	0	4	0	Thunderstorm Wind
Wyoming County Pike	28	1815EST			0	0	4	0	Thunderstorm Wind
Cayuga County Conquest	28	1845EST			0	0	4	0	Thunderstorm Wind
Onondaga County Clay	28	1915EST			0	0	4	0	Thunderstorm Wind

Thunderstorms developed in a moist, sou thwest flow ahead of a cold front. The thunderstorm winds downed trees and power lines resulting in power outages scattered across the region. One man was injured in Lockport, Niagara County, when he was pinned in his automobile by a falling tree. The thunderstorms spawned three separate tornadoes. A weak tornado touched down in Lockport in Niagara County. Damage was mainly confined to trees. One house suffered minor roof damage. A fast moving weak tornado produced intermittent damage in Fredonia. Initial touchdown was at the fair grounds were two were injured by flying debris at the Farm er's Fair. Significant tree damage was done in the college area. A house sustained significant damage to its roof and had several windows broken. A weak tornado made a brief touchdown in the northwest corner of the town of Amherst. With the exception of two windows being blown out of a house, damage was confined to trees and shrubs.

#### NORTH CAROLINA

New Hanover County Wrightsville Beach	01	0530EST- 0540EST	?	?	?	?	?	?	Waterspouts
Deach	Two	waterspouts	were re	ported by n	nany wi	tnesses			
Granville, Stovall,	02	2018EST			0	0	0	0	Hail (0.75)
and Oxford Counties Vance County	02	2045EST			0	0	0	0	Hail (0.88)
Craven County New Bern	04	1230EST			?	?	?	?	Hail (0.75)
Jones County Near Comfort	04	1415EST			?	?	2	?	Thunderstorm Winds
	Larg	e limbs down	. Awnii	ngs blown a	away on	Highv	vay 41.		
Wake County RDU Airport	05	1220EST			0	0	0	0	Thunderstorm Winds
	Publ	ic reported se	veral tr	ees snappe	d.				
Moore County N Portion	05	1340EST			0	0	0	0	Thunderstorm Winds
	Cou	nty sheriff rep	orted tr	ees down r	ear rou	te 27.			
Wake County	05	1435EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Sher	iff's office rep	orted to	ree and pov	ver lines	down	•		
Pasquotank County 2 NE Elizabeth City	05	1550EST			?	?	?	?	Hail (0.75)
Camden County 1 W Belcross	05	1600EST			?	?	?	?	Hail (0.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Esti Dai Proper	mated mage	August 1994
				, ,			•		
Pitt County Greenville NORTH CAROLI	05 NA (	1605EST Cont'd			0	0	0	0	Hail (0.88)
Washington County 2 NE Wenona	05	1610EST			?	?	?	?	Thunderstorm Winds
	Seve	eral trees blo	wn down.						
Lenoir County La Grange	05	1610EST			0	0	0	0	Thunderstorm Winds
	Sher	riff's office re	eported pov	wer lines d	own ne	ar the to	own of	f La Gra	nge.
Pitt County Greenville	05	1625EST			0	0	0	0	Thunderstorm Winds
	Seve	eral trees rep	orted dowr	n in town o	f Greei	iville.			
New Hanover County Wilmington	05	1640EST			?	?	?	?	Lightning
	Disa	bled drawbr	dge for mo	ore than an	hour o	n the C	ape Fe	ar River	•
Martin County 2 W Beargrass	05	1645EST			?	?	?	?	Thunderstorm Winds
	Seve	eral trees and	numerous	large tree	branch	es were	blowi	n down.	
Pender County 12 S Burgaw	05	1645EST			?	?	?	?	Thunderstorm Winds
	Six-	inch diamete	r trees blo	wn down n	ear US	Highw	ay 117	7.	
Pender County S Portion	05	1645EST			?	?	?	?	Hail (0.75)
Pamlico County Near Bayboro	05	1647EST			?	?	?	?	Thunderstorm Winds
	Tree	es blown dow	'n.						
Tyrrell County Columbia	05	1655EST			?	?	?	?	Hail (0.80)
Beaufort County Aurora	05	1700EST			?	?	?	?	Thunderstorm Winds
	Tree	es blown dow	'n.						
Onslow County Sneads Ferry	05	1735EST			?	?	4	?	Lightning
	Larg	ge brick hom	e damaged	. Bricks kr	ocked	25 feet	away 1	from the	house.
Tyrrell County 1 W Gum Neck	05	1740EST			?	?	?	?	Thunderstorm Winds
	Seve	eral large tree	es were blo	own down.					
New Hanover County Wilmington	05	1900EST			?	?	4	?	Lightning
	Sign	nificant dama	ge to a chu	arch and its	conte	nts.			
Brunswick County Winnabow	05	1900EST			?	?	4	?	Lightning
	Sign	nificant dama	ge to a hor	me on Pott	er's Fie	ld Road	l <b>.</b>		
Rowan County Salisbury	05	1900EST			?	?	3	?	Tornado (F0)
	Outh	ouilding dem	olished an	d mobile h	ome da	maged.			

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons Injured	Esti Dai Proper	mated nage ty Crops	August 1994			
NORTH CAROLI	NA (	Cont'd										
<b>Cumberland County</b>	11	1410EST			0	0	0	0	Thunderstorm Winds			
Clausiand Country	Seve	eral trees dow	n.									
Cleveland County Earl	16	1730EST	2.0	200	0	0	5	0	Tornado (F1)			
	of E com	arl, which is s	outh of Sl red on Joh	nelby. The in Crawfor	tornad d Road	o affecte . Exten	ed area isive da	s off of	Cleveland County near the town route 18. One mobile home was vas done to a home off Mt. Sinai			
Franklin County	16	1735EST			0	1	3	0	<b>Thunderstorm Winds</b>			
	A wat a	oman was in packhouse.	ured by f	lying glass	s when	a windo	ow was	blown	in. Minor damage was reported			
Iredell County Statesville	16	1808EST			?	?	?	?	Thunderstorm Winds			
	Stro	ng thundersto	rms wind	ls downed	several	trees.						
Rutherford County	16	1925ECT			0	0	0	9	W			
Rutherfordton	16	1825EST	linas war	a blown de	?	? no mob	? ila han	?	Thunderstorm Winds			
<b>Forsyth County</b>	1100	Trees and power lines were blown down. One mobile home was blown onto its side.										
Clemmons Caldwell County	16	1829EST			?	?	?	?	Hail (.75)			
Dudley Shoals Grace Chapel	16	1842EST			?	?	4	?	Tornado (F0)			
Kings Creek	and	reak tornado pone barn wer red off their fo	e damage	d. A few	homes	receive	d roof	damage	mmunities. A couple of garages and several mobile homes were idespread.			
Catawba County NE Hickory	16	1845EST	1.5	200	0	1	5	0	Tornado (F2)			
	of the Ridge	he town of H ge and Kool P	ickory. E ark. Two damage	Extensive d mobile ho	lamage mes an	was rep	orted i	in the re	n Catawba county, just northeast esidential communities of Sand y appletely destroyed. Flying debris himneys were damaged. Severa l			
Wilkes County Lomax Austin	16	1915EST			0	0	4	?	Tornado (F0)			
Sheppards Crossroads	dest	veak tornado royed, severa e damaged.	produced l chicken	sporadic of houses we	damage ere flatt	in seve ened, w	eral ad indow	jacent c s were l	communities. An old store was broken and a few farm buildings			
Alleghany County Roaring Gap	16	1950EST			?	?	?	?	Thunderstorm Winds			
Avaring Cap		ng thundersto	orm winds	downed s	•		•	•	Thunderstorm Willus			
Ashe, Watauga, Avery, Caldwell, Madison, Yancy, Mitchell, Swain, Hayv	16 17	1900EST- 1900EST			?	?	6	?	Flood Flash Flood			
McDowell, Burke, Jac Transylvania, Hender and Rutherford Counties	ekson.	, Macon,										

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti: Dar 1 Proper	mated nage ty Crops	August 1994
NORTH CAROL	INA	Cont'd							
NORTH CAROLA	The Care Hun	remnants of Tolina. The residence of peop	sulting fla de were fo es destroy	sh floods a preed to ev yed cabins	and rap acuate and ho	id rises homes mes. T	s in mai and car he high	in stem npsites water	ches of rain across western North rivers caused serious problems., roads and bridges were washed closed schools and businesses in their cars or washed downstream ocumented.
Iredell County Statesville	17	0000EST			0	0	4	?	Tornado (F0)
		mobile homes er lines were			all was	blown	down a	ıt a hon	ne under construction. Trees and
Wake County Holly Springs	17	1915EST			0	0	0	0	Thunderstorm Winds (G56)
in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	A ho			ootter in H	-				gust of 56 knots. Two large oak
Harnett County Buies Creek	17	2010EST	1	50	0	?	5	0	Tornado (F1)
	Mar	nett county nagement Tea aged to the p	am at the	sight repo	rted nu	merous	s trees o	vn nea down a	r Buies Creek. The Emergenc y long with several mobile home s
Guilford County Greensboro	18	1630EST- 1830EST			0	0	0	0	Flash Flood
	A to	tal of 1.28 inc e were 11 rep	hes of rain orted wea	fell in jus	t 33 mi d accid	nutes. I ents.	Numero	ous road	Is were reported under water and
Robeson County Fairmont	19	0200EST			?	?	?	?	Flash Flood
	Rair	nfall estimate	d at more	than seven	inches	in thre	ee to for	ır hours	s blocked off several roads.
Caldwell County Kings Creek	19	1400EST			?	?	?	?	Hail (0.75)
Burke County Glen Alpine Wilkes County	19	1405EST			?	?	?	?	Hail (0.75)
Wilkesboro	19	1425EST			?	?	?	?	<b>Thunderstorm Winds</b>
	Stro	ng thundersto	orm winds	downed to	rees. M	inor flo	ooding a	also occ	curred.
Alexander County Taylorsville	19	1425EST			?	?	?	?	Hail (0.75)
Rockingham County Wentworth	19	1525EST			?	?	?	?	<b>Thunderstorm Winds</b>
	Tree	es were blown	down by	a strong th	hunders	storm.			
Gaston County Gastonia	19	1605EST			?	?	?	?	Thunderstorm Winds
	Seve	eral trees wer	e blown d	own in the	Camp	Rotary	area.		
Gaston County Stanley	19	1605EST			?	?	?	?	Thunderstorm Winds
	Tree	es and power	lines dow	n.					
Gaston County Catawba Heights	19	1642EST			?	?	?	?	Hail (1.00)
Wilkes County N. Wilkesboro	19	1915EST			?	?	?	?	Hail (1.25)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Kille	mber of rsons d Injured	Estim Dama	ated age Crops	August 1994
NODTH CAROL	TNIA .	C 41 J							
NORTH CAROL	INA	Conta							
Surry County Mtn. Park	27	1216EST			?	?	?	?	Hail (1.75)
Wilkes County Moravian Falls	27	1310EST			?	?	?	?	Thunderstorm Winds
	Stro	ong thundersto	orm winds	blew dow	n trees	s.			
Guilford County	27	1445EST			?	?	?	?	Ho;1 (0.75)
High Point Davidson County									Hail (0.75)
Wallburg	27	1445EST es were blown	n down in	Wallburg	?	?	?	?	Thunderstorm Winds
Randolph County	1100	es were brown	n down m	wanouig.					
Sophia	27	1445EST			?	?	?	?	<b>Thunderstorm Winds</b>
	Pow	ver lines were	blown do	own.					
Granville County Stovall	27	1535EST			0	0	0	0	Hail (0.75)
Moore County 2 N Robbins	27	1548EST			0	0	0	0	Hail (0.75)
Union County W Portion	27	1605EST			?	?	?	?	Hail (0.75)
Union County Stallings	27	1614EST			?	?	?	?	Hail (1.75)
Stammes		fball sized ha	il fell in tl	ne town of	Stallir	igs.	•	•	11411 (1170)
Harnett County Buies Creek	27	1629EST			0	0	0	0	Thunderstorm Winds
Olivia-Mamers			D : C	1 101	-		U	U	Thunderstorm winds
On alarm Country	Tree	es down near	Buies Cre	ek and Oli	ivia-M	amers.			
Onslow County S Portion	27	1630EST			?	?	?	?	Hail (0.88)
Alexander County SW Portion	27	1715EST			?	?	?	?	Thunderstorm Winds
	Stro	ong winds ble	w down so	everal tree	s.				
Wake County Knightdale	27	1722EST			0	0	0	0	Hail (0.88)
Wayne County Seymour Johnson	27	1730EST			0	0	0	0	Hail (0.75)
AFB	21	17301251			U	U	U	U	11an (0.75)
Caldwell County Zacks Fork	31	1622EST			?	?	?	?	Hail (1.75)
NORTH DAKOT	A								
Divide County 60 E Crosby	01	1720CST			?	?	?	?	Hail (1.75)
Divide County 50 N Noonan	01	1735CST			?	?	10K	30K	Hail (1.75)
Burke County 30 NE Noonan	01	1740CST			· ?	· ?	?	?	Hail (1.75)
Pierce County	VI.	1740001			•	•	•	•	11ail (1.7 <i>8)</i>
Rugby Pierce County	03	1536CST			?	?	5K	10K	Hail (1.50)
Rugby Ramsey County	03	1536CST			?	?	?	?	Thunderstorm Winds (G52)
Devils Lake	03	1555CST			?	?	20K	?	Thunderstorm Winds (G59)
NORTH DAKOT	A Co	nt'd							

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Estima Dama Property	ated ige Crops	August 1994
						2		•	
<b>D</b> C 4	Two	o airplanes we	re blown	into each o	other a	nd a 60-	-foot con	nmunic	ations tower was destroyed.
Benson County Esmond	03	1630CST			?	?	?	?	Thunderstorm Winds (G52)
Towner County E of Cando	06	2015CST			?	?	?	?	Hail (2.75)
Towner County 20 S of Egeland	06	2020CST			?	?	?	?	Hail (2.75)
Ramsey County W of Stark- weather	06	2040CST			?	?	?	?	Hail (0.75)
Ramsey County Garske	06	2050CST			?	?	?	?	Hail (1.00)
Benson County Minnewaukan	06	2127CST- 2135CST			?	?	10K	10K	Hail (1.00)
Foster County Glenfield	06	2133CST			?	?	?	?	Hail (0.75)
Griggs County Near Sutton	06	2134CST			?	?	?	?	Hail (1.00)
Nelson County Tolna	06	2145CST			?	?	30K	?	Thunderstorm Winds (G60)
101111			v two mo	bile homes	•	•			aged 100 to 150 trees.
<b>Nelson County</b>									
Tolna Benson County	06	2145CST			?	?	?	?	Hail (0.75)
Ft. Totten Ramsey County	06	2200CST			?	?	?	?	Hail (4.50)
Devils Lake Griggs County	06	2203CST			?	?	?	?	Hail (0.75)
40 N Binford Nelson County	06	2200CST			?	?	?	?	Hail (0.75)
Tolna Traill County	06	2230CST			?	?	?	?	Thunderstorm Winds (G70)
Portland Grand Forks County	06	2235CST			?	?	?	?	Thunderstorm Winds (G65)
Northwood Foster County	06	2250CST			?	?	3K	?	Thunderstorm Winds
E of McHenry	06	2250CST- 2305CST			?	?	?	20K	Hail (2.75)
Foster County Glenfield	06	2255CST			?	?	?	?	Hail (2.75)
Burke County Portal	06	2300CST			· 9	,	?	5K	Hail (0.75)
Traill County Mayville	06	2310CST			?	?	20K	?	Thunderstorm Winds (G70)
Way vine			d it's roof	partially l	•	•			equipment inside.
<b>Steele County</b>				1 2					
50 W Hope Griggs County	06	2320CST			?	?	?	?	Hail (1.75)
Cooperstown McIntosh County	06	2330CST			?	?	?	?	Hail (0.75)
S of Wishek Burke County	06	2345CST	2	50	?	?	20K	?	Tornado (F0)
Portal Steele County	06	2345CST			?	?	?	20K	Hail (0.75)
Colgate Cass County	07	0000CST			?	?	?	?	Hail 100
West Fargo NORTH DAKOTA	07 A Co	0015CST ont'd			?	?	20K	?	Thunderstorm Winds (G70)

	_	Time Local/	Path Length (Miles)	Path Width	Per	nber of sons	Estima Dama Property	ated age_	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	I Injured	Property	Crops	Character of Storm
Cass County Horace Cass County	07	0045CST			?	?	?	?	Thunderstorm Winds (G55)
50 SE Horace Steele County	07	0045CST			?	?	?	?	Thunderstorm Winds (G52)
70 N Luverne	06	700CST			?	?	?	?	Hail (1.75)
Stutsman County Montpelier Barnes County	12	1830CST			?	?	?	?	Hail (1.75)
50 NE Hastings	12	1920CST			?	?	?	?	Hail (1.75)
Barnes County Fingal	12	2000CST			?	?	?	?	Hail (1.75)
Mercer County 70 NE Halliday Grand Forks County	12	2135CST			?	?	?	5K	Hail (2.75)
Larimore	12	<b>2210CST</b>			?	?	?	?	Thunderstorm Winds (G58)
Burleigh County 50 N Bismark	12	2305CST			?	?	?	?	Hail(1.50)
Near Bismark Ransom County	12	2312CST			?	?	?	?	Hail (0.75)
Enderlin	16	800CST			?	?	?	?	Hail (1.75)
Cavalier County Langdon Foster County	18	1510CST			?	?	20K	?	Hail (2.75)
30 NW Carrington	18	1640CST			?	?	?	?	Hail (1.75)
Carrington Carrington	18 18	1648CST 1650CST			?	?	?	???	Hail (1.00) Hail (2.50)
Carrington Carrington	18 18	1651CST 1700CST			? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	????	? 25K	? 30K	Hail (2.00) Hail (2.75)
Carrington			that lasta	d noorly ty	•	_			` '
	larg dam	e hail put ho	les in roo	fs and bro	ke wir	idows. I	Fifty per	cent of	ings, homes, and vehicles. The the homes in Carrington were nged from cuts and bruises to a
Cavalier County NE of Langdon	18	1655CST			?	?	?	?	Hail (1.75)
Cavalier County NE Langdon	18	1710CST			?	?	?	?	Hail (1.75)
Foster County 50 SE Carrington	18	1716CST	2	40	?	?	50K	10K	Tornado (F1)
60 SE Carrington	18	1725CST	2	40	?	?	?	?	Tornado (F1)
Danahina Canata	The	path was esti-	mated.						
Pembina County Pembina	18	1730CST			?	?	?	?	Hail (1.75)
Cavalier County 30 S Maida	18	1750CST			?	?	?	10K	Hail (1.75)
Pembina County 70 SE Walhalla	18	1750CST			?	?	?	20K	Thunderstorm Winds (G52)
Stutsman County 20 S Buchanan Near Buchanan	18 18	1751CST 1800CST	2	40	?	?	? 50K	?	Tornado (F1) Tornado (F1)
		path was esti-		-	,	-		-	
<b>Barnes County</b>		1							
Wimbledon Pembina County	18	1800CST			?	?	?	?	Hail (1.00)
Cavalier	18	1800CST			?	?	40K	?	Thunderstorm Winds (G55)

#### NORTH DAKOTA Cont'd

**Stutsman County** 

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Perso Killed	oer of ons Injured	Estima Dama Property	ated age Crops	August 1994
NW of Jamestown Walsh County	18	1802CST			?	?	?	?	<b>Funnel Cloud</b>
Grafton	18	1830CST			?	?	?	?	<b>Funnel Cloud</b>
Walsh County Grafton	18	1830CST			?	?	1.3M	10K T	hunderstorm Winds (G70)
	Stron airpo hom	ort was destroy	ed widespr ed damagi	ead damag ng four air	ge. Upr planes.	ooted to Other d	rees fell amage	on and	damaged cars. A hangar at the d to a 70 ft. trailer and to many
Barnes County W of Valley City 30 S Fingal Grand Forks County	18 18	1845CST 2001CST			?	?	? 20K	?	Hail (2.75) Thunderstorm Winds
70 NE Petersburg Near Larimore Emerado	18 18 18	2020CST 2045CST 2045CST			???	? ? 1	? ? 30K	???	Hail (1.50) Thunderstorm Winds (G52) Thunderstorm Winds (G61)
Barnes County Fingal	18	2045CST			?	?	5K	?	Tornado (F0)
Grand Forks County 50 W Arvilla Grand Forks AFB 80 W Grand Forks	18 18 18	2045CST 2045CST 2105CST			?	???	???	?	Hail (1.75) Thunderstorm Winds (G61) Hail (0.75)
Morton County St. Anthony	22	1905CST			?	?	?	?	Hail (1.75)
Burleigh County 70 SE Lincoln 30 S Menoken	22 22	1930CST 2100CST			?	?	10K 5K	?	Thunderstorm Winds Thunderstorm Winds (G52)
Ransom County 70 S Lisbon	23	825CST			?	?	?	?	Hail (1.75)
Ward County Kenmare	24	100CST			?	?	30K	10K	Thunderstorm Winds
Burke County Near Columbus	25	030CST			?	?	?	?	Hail (1.75)
Ramsey County Near Stark- weather	25	400CST			?	?	40K	10K	Thunderstorm Winds (G60)
Richland County Lidgerwood	25	1215CST			?	?	?	?	Hail (1.75)
Renville County Near Norma	26	2011CST			?	?	?	?	Thunderstorm Winds
Bottineau County Lansford	26	2035CST			?	?	?	?	Hail (1.00)
Renville County Grano	26	2040CST			?	?	?	?	Tornado (F0)
McHenry County Granville	26	2040CST			?	?	?	?	Hail (0.75)
Renville County Near Grano	26	2045CST	2	40	?	?	10K	?	Tornado (F0)
		The path wa	as estimat	ed.					
Ward County Minot AFB	26	2052CST			?	?	?	?	Thunderstorm Winds (G52)
Renville County Glenburn	26	2105CST			?	?	?	?	Hail (0.75)
McHenry County Granville	26	2130CST	2.5	20	?	?	30K	?	Tornado (F0)
NORTH DAKOTA					•	•		•	
Granville	26	11 U 2145CST			?	?	?	?	Hail (0.75)
GI ally life	<b>4</b> 0	2143CS1			•	•	•	•	11aii (0.73)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons	Estin Dam 1 Propert	nated nage v Crops	August 1994 Character of Storm
20 NE Velva Drake Balfour Karlsruhe 20 S Karlsruhe Anamoose Cavalier County Munich Langdon	26 26 26 26 26 26 27 27	2145CST 2159CST 2200CST 2200CST 2200CST 2240CST 318CST 340CST			???????????????????????????????????????	? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	? 30K 50K 10K ?	???????????????????????????????????????	Funnel Cloud Funnel Cloud Thunderstorm Winds Thunderstorm Winds Hail (1.75) Hail (1.75) Hail (1.75) Thunderstorm Winds (G52)
OHIO									
Tuscaraws County N Portion	<b>02</b>	1223EST	1		0	0	3	0	Thunderstorm Winds
Ross County N of Pleasant Valley	02	1325EST es were down		ral locatio	ns. 0	0	3	0	Thunderstorm Winds Lightning
Lucas County N Toledo	<b>02</b> Larg	1340EST ge branches w	vere down	ed.	0	0	3	0	Thunderstorm Winds
Noble County County Road 36	02 Tree	1346EST es were down	ed.		0	0	3	0	Thunderstorm Winds
<b>Guernsey County</b>	<b>02</b> Tree	1405EST es were down	ed at seve	ral locatio	ons.	0	3	0	Thunderstorm Winds
Lucas County Toledo Express Airport	02 Win	1533EST ds were meas	sured at 59	) mph.	0	0	0	0	Thunderstorm Winds
Huron County New London Monroeville	02 Seve	1625EST eral trees were	downed in	n Monroevi	<b>0</b> ille. Dai	0 mage w	4 as mor e	0 wides	Thunderstorm Winds pread in New London were trees
Licking County Granville	and <b>02</b>	1810EST- 02040EST	owned, so	me on pov	ver line  0	es, and s	signs we	ere blov	vn down. Flash Flood Lightning
	drair	nderstorm rai nage areas. Se local man w	veral road	s were clos	sed incl	luding !	State Ro	ute 66	aced flooding of streets and poor 1 which had 2-3 feet of water on
Franklin County W Columbus	02	1825EST			0	3	0	0	Lightning
	stood the s	d outdoors nea storm.	students a ar the school	nd an adul ol because	t) were footba	struck ll and c	by light cheerlead	tning of ding pr	utside a west side school as they actice had been cancelled due to
Trumbull County S Portion	02	1825EST- 02010EST			0	0	3	0	Flash Flood
OHIO Cont'd									
<b>Mahoning County</b>									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Esti Dai 1 Proper	mated nage ty Crops	August 1994
Austintown Youngstown	02	1850EST- 02240EST			0	0	4	0	Flash Flood
Toungstown	in A	nderstorm rain	Mahoning	12 to 4 inc and Coa	hes in 1	less tha	n 3 hou	rs with	a miximum of 4 inches reported of streets, small streams and
Delaware County N of Delaware	02	1950EST- 02115EST			0	0	3	0	Flash Flood
	Thui stree	nderstorm rain ets, small stre	s were me ams, and l	easured at basements	2.2 inc.	hes in l	ess than	n two ho	ours which produced flooding of
Lorain County Avon Lake	04	1205EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed.						
Lorain County Wellington N Ridgeville	04	1220EST			0	0	3	0	Thunderstorm Winds
Cuyahoga County Cleveland Strongsville	04	1225EST			0	0	3	0	Thunderstorm Winds
Medina County Brunswick	04	1229EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Win	ds to 60 mph	were repo	orted with	several	trees d	lowned.		
Ashland County Sullivan	04	1241EST			0	0	4	0	Thunderstorm Winds
	Tree	es were down	ed, some o	on power 1	ines, w	ith at l	east one	damag	ing a house.
Geauga County Chesterland	04	1252EST			0	0	4	0	Thunderstorm Winds
	Tree	es were down	ed, one on	a car.					
Ashtabula County Ashtabula	04	1300EST			0	0	0	0	Thunderstorm Winds
<b>T</b>		ds were meas	ured at 70	) mph (61				•	
Portage County Mantua	04	1305EST			0	0	3	0	Thunderstorm Winds
1/24/24	Tree	es were down	ed.						
Logan County Bellefontaine	04	1305EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed, some o	on power l	ines.				
Franklin County Reynoldsburg	04	1340EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed.						
Madison County Plumwood Greene County	04	1450EST			0	0	0	0	Hail (0.75)
E Portion	04	1515EST			0	0	4	0	<b>Thunderstorm Winds</b>
	Tree	es were down	ed in seve	ral location	ns inclu	iding B	Bellebro	ok.	
Franklin County Columbus	04	1529EST			0	4	3	0	Thunderstorm Winds
OHIO Cont'd									

Trees were downed at several locations. Winds were measured at 59 mph at Port Columbus Airport. Four men were injured at an outdoor amphitheater when the tent they occupied was blown over.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons	Esti Da Prope	mated mage rty Crops	August 1994
	1200		, and a	,				<u> </u>	
Licking County Summit Station	<b>04</b> Win	1546EST ds were repo	rted at 60 :	mph.	0	0	0	0	Thunderstorm Winds
Fairfield County Pickerington	04	1600EST		<b>-</b>	0	0	3	0	Thunderstorm Winds Hail (0.75)
Hamilton County Ross Moyne	04	s were down  1609EST es down, one			. 0	0	4	0	Thunderstorm Winds
Clermont County Loveland Miamisville	04	1631EST	on a nouse		0	0	3	0	Thunderstorm Winds
Warren County S Portion Fayette County	04	1639EST			0	0	3	0	Thunderstorm Winds
N of Good Hope	04	1643EST		4.	0	0	3	0	Thunderstorm Winds
Athens County Athens	1 Tree	s downed, so	ome on pov	wer lines.	0	0	3	0	Thunderstorm Winds
	Tree	s and large li	mbs were	downed in	town	and on	the Oh	io Univ	ersity Campus.
Morgan County 1 N McConnels- ville	04	1705EST	ed near St	ate Route (	0	0	3	0	Thunderstorm Winds
Muskingum County E of Zanesville Ross County	04	1715EST	ed lical St	ate Route	0	0	3	0	Thunderstorm Winds
1.5 E Chilicothe Massieville	04	1730EST			0	0	3	0	Thunderstorm Winds
Guernsey County Pleasant City Quaker City	04	1802EST			0	0	3	0	Thunderstorm Winds
Belmont County St. Clairsville Vinton County	04	1811EST			0	0	3	0	<b>Thunderstorm Winds</b>
7 E Logan Jefferson County	04	1814EST			0	0	3	0	<b>Thunderstorm Winds</b>
S Portion Gallia County	04	1822EST			0	0	3	0	Thunderstorm Winds
State Route 7 Between Addison	04	1830EST			0	0	3	0	Thunderstorm Winds
Chesire Columbiana County Salem	<b>12</b> Larg	1401EST ge hail damag	red some c	rops.	0	0	0	4	Hail (1.00)
Ross County Kinnikinnick	12	1548EST es were down		•	0 ines.	0	3	0	Thunderstorm Winds
OHIO Cont'd			,	1					
Ashtabula County Jefferson and Conneaut	12	1748EST			0	0	3	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons	Estii Dar 1 Proper	nated nage tv. Crops	August 1994
			1,1111111111111111111111111111111111111	, and				· <del>y</del>	
	Tree	es were down	ed. Severa	ıl utility po	oles we	re blow	n over	at Conr	neaut.
Guernsey County Senecaville	12	1850EST			0	0	3	0	Thunderstorm WInds
	Tree	es were down	ed, some	on power l	lines.				
Erie County	13	0530EST- 1000EST			0	0	4	0	Flash Flood
<b>Huron County</b>	13	0545EST- 1140EST			0	0	5	0	Flash Flood
	Seve	eral thundersto oding of stree	orms crosse	ed the area	a during	the mo	orning v	with an	average rainfall of 2 to 4 inches.
Lorain County	13	0545EST-	ts, siliali s	ircams, an	iu basci	iiciits v	vas com	illiOll.	
Cuyahoga County	13	1340EST 0550EST-			0	0	6	0	Flash Flood
Lake County	13	1420EST 0600EST-			0	0	6	0	Flash Flood
Geauga County	13	1400EST 0615EST-			0	3	6	0	Flash Flood
Summit County	13	1430EST			0	0	6	0	Flash Flood
N Portion	13	0615EST- 1440EST			0	0	6	0	Flash Flood
Portage County N Portion	13	0650EST-							
Trumbull County	13	1450EST 0710EST-			0	1	6	0	Flash Flood
Ashtabula County	13	1450EST 0710EST-			0	0	6	0	Flash Flood
		1300EST			0	0	5	0	Flash Flood
	Mos loca Floo thou were Cuy rafti road	at areas average tions reported oding was signs and soft base e closed includational country ahoga Country ing in flood was	ed 4 to 5 ir upwards o gnificant - ements wer ling Intersty Fair was aters. Two	nches of ra f 7 inches homes and re flooded tate 77 and cancelled fireman v	in in less of rain v nd busin . Motor d some l for the vere inj	s than 6 with a m lesses veists we roads a e first ti ured wl	hours, naxim unwere floore rescund brid ime in 3 hen thei	more the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second	hours producing record rainfall. an the 100 year rainfall. Several inches in Twinsburg (Summit). In had to be evacuated. Tens of a stranded vehicles. Many roads the completely washed away. The standard washed out section of while moving a downed antenna
Cuyahoga County Independence	13	0900EST- 2400EST			0	0	6	0	Flood
	exce bacl	Cuyahoga Feeding flood	stage of 16	5.0 feet an	banks a	at Inde	pendend 2.9 feet	ce and at 13/1	surrounding areas in the valley, 315EST. Nearby tributaries also e flooded and evacuations were
Lake County Willougby	13	1300EST-							
Windugby	14	0200EST			0	0	6	0	Flood
	floo	ded several ne	ighborhoo	ds along th	e river.	A n um	ber of f	amilies	ries of heavy thunderstorms and had to be evacuated. Tributaries r adding to the damage.
OHIO Cont'd									
Hancock County Findlay	13	1830EST			0	0	4	0	Thunderstorm Winds
•	Tree	es downed, ar	nd at least	one buildi	ng suff	ered ro	of dama	ige.	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti Dai Proper	mated mage rty Crops	August 1994
						-			
Hancock County Findlay	13	1840EST- 2000EST			0	0	4	0	Flash Flood
	Thui and	nderstorm rai small streams	ns droppe s. At least	d about 2 four cars	5 inche were at	es of rain andone	n in ab d in flo	out an h ooded st	our produced flooding of streets reets.
Huron County Norwalk Ashtabula County	13	1854EST			0	0	4	0	Thunderstorm Winds
Ashtabula N Kingsville Conneaut	13	1856EST			0	0	4	0	Thunderstorm Winds
	Tree	es and large l	imbs were	e downed.	Hard h	it was t vere als	the wes	st side o	f Conneaut where several road s g with some signs and awnings.
Lorain County W Portion	13	1915EST		j	0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed in seve	ral locatio	ns.				
Trumbull County Brookfield	13	1915EST	.1	10	0	0	4	0	Tornado (F0)
	dam	mall tornado age occurred ig, awnings a	to two of	the mobile	a traile e home	er park s and a	and wa	as witne er of oth	ssed by several residents. Roo f er mobile homes had damage to
Medina County S Portion Summit County	13	1950EST			0	0	3	0	Thunderstorm Winds
Richfield Portage County	13	2002EST			0	0	3	0	Thunderstorm Winds
Berlin Lake Area	13	2030EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Tree	es were down	ed.						
Trumbull County S Portion	13	2035EST			0	0	3	0	Thunderstorm Winds
	Tree near	s were downe Hubbard.	d in Leavit	tsburg and	other l	ocation	s. A ca	r was bl	own off Route 7 at Interstate 80
Mahoning County N Portion	13	2100EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed at sever	ral location	ns.				
Ashtabula County Ashtabula Ashtabula County	14	0000EST			0	0	3	0	Thunderstorm Winds
N Portion	14	0230EST			0	0	3	0	<b>Thunderstorm Winds</b>
		eral trees and	large bran	iches were	downe	ed.			
Wayne County	14	0000EST- 0540EST			0	0	4	0	Flash Flood
Ashland County S Portion	14	0038EST- 0430EST			0	0	3	0	Flash Flood
OHIO Cont'd									
Richland County S Portion	14	0045EST-			0	0	2	0	Eleab Elead
Stark County	14	0440EST 0110EST-			0	0	3	0	Flash Flood

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Pers Killed	nber of sons Injured	Esti Da: Prope	mated mage rty Crops	August 1994
	_	0540EST			0	0	4	0	Flash Flood
		eral thundestor ams, streets, a					ential	rains of	2 to 4 inches. Flooding of small
Franklin County Columbus area	14	0832EST			0	0	4	0	Flash Flood
	inche	vy thundersto es in about 3 h to be closed.	rm rains a ours. Floo	averaged 2 ding of stre	to 4 in	nches wi all strea	ith a m ims, ar	naximum nd basem	measured in Westerville of 4.3 eents occurred and sveral streets
Warren County S Portion	14	1445EST			0	0	3	0	Thunderstorm Winds
	Larg	ge limbs dowr	ned betwe	en Lovelar	nd and	Landen.			
Shelby County Sidney	20	1540EST			0	0	3	0	Thunderstorm Winds
Greene County Bellbrook	20	1555EST			0	0	3	0	Thunderstorm Winds
	Tree	s were down	ed.						
Clark County Enon Beach	20	1610EST			0	1	4	0	Thunderstorm Winds
	Tree mob	es were down ile home. Hig	ed, some gh winds o	on structu	res. On ome bo	e personats and	n was boat d	hospitliz ocks.	red after a large tree fell onto a
Crawford County Galion	20	1720EST			0	0	4	0	Thunderstorm Winds
Crestline		s were downed	d, some or	n power lir	nes. At	least on	e hous	se and tw	o cars were also damaged from
Richland County	20	4#46EGE			0			0	
Mansfield Holmes County	20	1746EST			0	0	3	0	Thunderstorm Winds
Battle Pass	20	1815EST		<i></i>	0	0	0	4	Hail (0.75)
Mallan Comme	Larg	ge hail damag	ed some c	crops (time	of occ	urence 6	estima	ted).	
Medina County Brunswick	27	1450EST			0	0	0	0	Hail (1.00)
Pickaway County Orient	27	1805EST			0	0	0	0	Hail (1.00)
Stark County Waynesburg	27	1810EST			0	0	0	0	Hail (1.00)
Carroll County Magnolia Martinsville	27	1820EST			0	1	0	4	Hail (1.00)
		1 year old boys in the Magr			struck ł	y lightr	ning in	Martins	ville. Large hail damaged some
Ottawa County E Portion	28	1300EST			0	0	3	0	Thunderstorm Winds
	Tree	s were downe	d, some o	n power lin	nes, ma	inly in t	he are	a betwee	en sandusky Bay and Lake Erie.
Ashtabula County Ashtabula	28	1340EST			0	0	4	0	Thunderstorm Winds
OHIO Cont'd									
	Tree dam:	es and large age.	limbs we	re downed	l, some	on pov	wer lir	nes with	at least one building suffering
Cuyahoga County E Portion	28	1340EST			1	0	6	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons Injured	Esti Da Prope	mated mage rty Crops	August 1994
Lake County	28	1346EST			0	0	6	0	Thunderstorm Winds
Geauga County Ashtabula County	28	1407EST			Ö	Ö	6	0	Thunderstorm Winds
S Portion Trumbull County	28	1430EST			0	0	5	0	Thunderstorm Winds
Kinsman	28	1440EST			0	0	5 	0 f Clavel	Thunderstorm Winds
	prod Clev (Lal build a tra drive thro	lucing winds veland (Cuyal (Cuyal ) Numerou dings. Many roiler overturned er was unhurt.	in exces hoga Cou is trees w oads were . In Kinsn A 44 year ith exten	s of 70 mg nty), 63 mg ere uproot blocked b nan (Trumb old Euclid sive debris	ph at tinph at (ted, soroull) a pull) a pull (Cuyas and ca	mes. Wo allow the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	inds v ga Cou ower l eauga ruck w voman	vere me inty Air ines, so County as crush was kil	land to the Pennsylvania borde r asured at 60 mph in downtow n port and 69 mph in Willoughb y me severely damaging cars and a greenhouse was destroyed and led by a large falling tree but the led near her home as she walked a concealed downed power line.
Auglaize County New Bremen	28	1509EST			0	0	0	0	Hail (0.75)
Shelby County Port Jefferson	28	1520EST			0	0	3	0	Thunderstorm Winds
	Tree	es were downe	ed.						
Logan County Russels Point Degraff	28	1522EST			0	0	3	0	Thunderstorm Winds
8	Tree	es were downe	ed in Russ	sels Point a	and larg	ge hail f	ell in I	Degraff.	
Union County Marysville Delaware County	28	1600EST			0	0	3	0	Thunderstorm Winds
Delaware Ashley	28	1615EST			0	0	3	0	Thunderstorm Winds Hail (1.25)
120110		e hail fell in D tions.	elaware a	nd winds w	vere rep	orted at	75 mp	h in Asl	hley. Trees were downed in both
Franklin County Dublin Stark County	28 28	1630EST 1630EST			0	0	3 3	0	Thunderstorm Winds Thunderstorm Winds
	Tree	es were downe	ed, some	on power l	ines, at	several	l locati	ons.	
Marion County New Bloomington and W of Marion	28	1640EST			0	0	3	0	Thunderstorm Winds
	Tree	es were downe	ed, some	on power l	ines.				
Morrow County S Marengo Holmes County	28 28	1644EST 1649EST			0	0	3 3	0	Thunderstorm Winds Thunderstorm Winds
	Tree	es were downe	ed at seve	ral location	ns.				
<b>Knox County</b>	28	1650EST			0	0	4	0	<b>Thunderstorm Winds</b>
	Tree	es were downe	ed, some	on power l	ines, at	Center	burg, I	Danville	and other locations.
Licking County 5 E Croton	28	1650EST			0	0	3	0	Thunderstorm Winds
	Tree	es were downe	ed.						
OHIO Cont'd Huron County S of Norwalk	28	1650EST			0	0	3	0	Thunderstorm Winds
W VI TON IT WALL		es were downe	ed in Peru	and along			_	v	
Stark County	28	1630EST		-	0	0	3	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti: Dar Proper	mated nage ty Crops	August 1994
Hamilton County Cincinnati Area	28 29 Thu	2310EST- 0035EST nderstorm ra		-	0	0	4	0	Flash Flood roduced flooding of streets and
OKLAHOMA									
		se refer to the rmation.	second sec	ction of <b>St</b> o	orm D	ata and	Unusu	ıal Wea	ather Phenonema for additional
OKLAHOMA, Ea	stern	1							
Washington County Vera Rogers County	04	1535CST			0	0	?	?	Thunderstorm Winds (G61)
1 N Oologah Tulsa County	04	1540CST			0	0	?	?	Thunderstorm Winds (G52)
Tursa County Turley Okfuskee County	04	1630CST			0	0	?	?	Hail (0.75)
Bearden	04	1915CST			0	0	?	?	<b>Thunderstorm Winds</b>
Pittsburg County 1 W Haileyville	04	2025CST- 2055CST			0	0	?	?	Flash Flood
	Aug a fev mile Cou	ust 4th. Sever	al large tre mbs were o st north of very heavy	e limbs we downed by Oologah, rainfall w	re blow	n down le an w	by stro	ong thui Vera T	ne afternoon and early evening of inderstorm winds in Bearden, and hunderstorm winds gusted to 70 rley. Thunderstorms in Pittsburg g. Water covered State Highway
Osage County Shidler	07	0205CST			0	0	?	?	Hail (0.75)
Creek County Near Oilton	07	0245CST			0	0	?	?	Hail (0.75)
Osage County Burbank	07	0520CST			0	0	?	?	Hail (0.88)
Okfuskee County Okemah	07	0630CST			0	0	?	?	Hail (0.75)
Okfuskee County 1 E Cromwell	07	0715CST			0	0	?	?	Hail (0.88)
	prod	ere thundersto luced large ha hidler, at Oke	il. Nickel s	ize hail fell	at Bur	Oklaho bank an	ma duri d just e	ing the east of C	early morning of August 7th and Cromwell, and dime size hail fell
Osage County Foraker	19	2150CST			0	0	?	?	Thunderstorm Winds (G63)
Osage County 5 WNW Bowring	19	2151CST			0	0	?	?	Hail (0.75)
Osage County 7 N Pawhuska	19	2233CST			0	0	?	?	Thunderstorm Winds (G61)
Osage County 7 N Pawhuska	19	2233CST			0	0	?	?	Hail (0.88)
OKLAHOMA, Ea	stern	Cont'd							
Osage County Wynona	19	2259CST			0	0	?	?	Thunderstorm Winds (G52)
Washington County 6 NW Collinsville Tulsa County	19	2300CST			0	0	?	?	Thunderstorm Winds (G56)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti Da Prope	imated mage rty Crops	August 1994
						<u>.</u>	•	•	
6 NW Collinsville	19	2300CST			0	0	?	?	Thunderstorm Winds (G56)
Rogers County Near Oologah	19	2320CST			0	0	?	?	Thunderstorm Winds (G56)
Osage County 7 SW Skiatook Pawnee County	19	2330CST			0	0	?	?	Thunderstorm Winds
Westport	19	2340CST			0	0	?	?	Thunderstorm Winds (G52)
	larg Skia dow mes Nick alon Thu	e tree was do took, and smal ned by 60 mile onet automate tel size hail also g U.S. Highw	wned by I trees and an hour ved observ o fell 7 mi vay 75 or nds guste	strong the l signs were vinds in Wy ing site in iles north on the Tulsa	underste downe ynona. Forake f Pawh /Wash	torm wi ed by 65 Thunde er and to nuska. T ington (	nds at mile a rstorm 70 m hunde County	the Zing in hour words go winds go iles an hour words words words and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	late evening of August 19th. A k Ranch 7 miles southwest of winds near Oologah. Signs were usted to 73 miles an hour at the our 7 miles north of Pawhuska . inds gusted to 65 miles an hour niles northwest of Collinsville . dime size hail fell 5 miles wes t
Nowata County 3.5 WNW Nowata	26	0420CST			0	0	?	?	Thunderstorm Winds
Ottawa County Commerce	26	0420CST			0	0	?	?	Thunderstorm Winds
Nowata County New Alluwe	26	0440CST			0	0	2	?	Thunderstorm Winds
Craig County 4 E New Alluwe	26	0444CST			0	0	3	?	Thunderstorm Winds
OKLAHOMA, Wo	proc mile dow nort	luced damaging the seast of New ned trees and hwest of Now	ng winds w Alluwe power li ata.	. Strong the and blewnes in Cor	unders shing	torm wi les off	nds bl houses	ew part of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the s	rly morning of August 26th and of the roof off a mobile home 4 Alluwe. Thunderstorm wind slarge tree limbs 3.5 miles wes t
Harper County			icasteri	•					
8 NW Buffalo	01	2030CST			0	0	?	?	Thunderstorm Winds (G61)
	An nort	hwest of Buffa	re thunde alo.	rstorm in i	orthw	est Okla	ihoma	downed	trees and power poles 8 mile s
Payne County Yale Cushing Cushing	04 04 04	1806CST 1815CST 1830CST			0 0 0	0 0 0	?	?	Hail (0.75) Hail (0.75) Thunderstorm Winds
Cushing	Isola 4th.	nted severe thui	oduced dir	ne size hail	ed acro	ss Payne amaging	Cour wind	nty during	g the early evening hours of the thunderstorm winds ripped the
Kay County 6 S Hardy 8.5 SSE Hardy	07 07	0145CST 0145CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
	Isola sout	nted severe thus heast of Hardy	nderstorm y and dov	s in Kay Co vned tree li	ounty earlings 6	arly on tl miles so	ne 7th outh o	produce f Hardy.	d dime size hail 8.5 mile south-
Lincoln County Davenport 3 ENE Sparks OKLAHOMA, Wo	07 07 esteri	0610CST 0615CST n and Soutl	neasteri	n Cont'd	0	0	?	?	Thunderstorm Winds Thunderstorm Winds (G64)
Payne County Cushing	07	0615CST			0	0	?	?	Hail (0.75)
Lincoln County 3 ENE Sparks 3 ENE Sparks 3 ENE Sparks	07 07 07	0620CST 0625CST 0630CST			0 0 0	0 0 0	?	?	Thunderstorm Winds (G77) Thunderstorm Winds (G53) Thunderstorm Winds (G60)

Prague			Time Local/	Path Length (Miles)	Path Width	Number of Persons Killed Injured P		Estimated Damage Property Crops		August 1994	
Pottawatomic County	Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Prope	rty Crops	Character of Storm	
Pottawatomic County	Prague	07	0630CST			0	0	6	?	Thunderstorm Winds	
Seminole County	<b>Pottawatomie County</b>										
A NW Seminole		<b>07</b>	0653CST			0	0	?	?	Thunderstorm Winds (G61)	
Seminole	Seminole County	0=	0505005				0		0	TO 1 4 XXV 1	
Seminole								?	?		
Lincoln County   Kendrick							Ŭ	3	?		
Kendrick		U/	0/30051			U	U	•	•	i nunderstorm winds	
SKendrick		07	0753CST			Λ	Λ	2	9	Hail (0.88)	
Coal County								•	•		
Lehigh       07       0840CST       0       0       ?       ?       Thunderstorm Winds (G52)         Atoka County       5 N Atoka       07       0853CST       0       0       ?       ?       Hail (1.00)         2.5 S Atoka       07       0900CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0902CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0902CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0902CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0902CST       0       0       ?       ?       Hail (1.00)         3 N Bokchito       07       0940CST       0       0       ?       ?       Hail (1.25)         5 N Bokchito       07       0940CST       0       0       ?       ?       Thunderstorm Winds         8 W Durant       07       1015CST       0       0       ?       ?       Hail (0.75)         1 E to 0.75       07       1055CST       0       0       ?       ?       Thunderstorm Winds <td></td> <td>07</td> <td>00000031</td> <td></td> <td></td> <td>U</td> <td>U</td> <td>•</td> <td>•</td> <td>11an (1.00)</td>		07	00000031			U	U	•	•	11an (1.00)	
Atoka County  5 N Atoka  07 0853CST  0 0 0 ? ? Hail (1.00)  2.5 S Atoka  07 0900CST  0 0 0 ? ? Thunderstorm Winds  Tushka  07 0900CST  0 0 0 ? ? Hail (1.00)  2 SW Atoka  07 0900CST  0 0 0 ? ? Hail (1.00)  2 SW Atoka  07 0902CST  0 0 0 3 ? Thunderstorm Winds  Bryan County  5 N Bokchito  07 0940CST  0 0 0 ? ? Hail (1.25)  5 N Bokchito  07 0940CST  0 0 ? ? Thunderstorm Winds  Bokchito  07 0945CST  0 0 ? ? Thunderstorm Winds  8 W Durant  07 1015CST  0 0 ? ? Hail (0.75)  1 E to 0.75  0 0 ? ? Hail (0.75)  1 E to 1 N  1 Diberty  Murray County  4 W Davis  07 1515CST  0 0 0 ? ? Hail (0.75)  Carter County  1 NE Lone Grove  07 1540CST  0 0 ? ? Hail (0.75)  Lone Grove  07 1547CST  0 0 ? ? Hail (0.75)  Lone Grove  07 1547CST  0 0 ? ? Hail (0.75)  Love County  3 W Overbrook  07 1555CST  0 0 ? ? Hail (0.75)  Hail (0.75)  Love County  3 W Overbrook  07 1555CST  0 0 ? ? Hail (0.75)  Hail (0.75)		07	0840CST			0	0	?	?	Thunderstorm Winds (G52)	
5 N Atoka       07       0853CST       0       0       ?       ?       Hail (1.00)         2.5 S Atoka       07       0900CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0900CST       0       0       ?       ?       Hail (1.00)         2 SW Atoka       07       0902CST       0       0       3       ?       Thunderstorm Winds         Bryan County       5 N Bokchito       07       0940CST       0       0       ?       ?       Hail (1.25)         5 N Bokchito       07       0940CST       0       0       ?       ?       Thunderstorm Winds         Bokchito       07       0940CST       0       0       ?       ?       Thunderstorm Winds         8 W Durant       07       1045CST       0       0       ?       ?       Hail (0.75)         1 E to 0.75       07       1055CST       0       0       ?       ?       Thunderstorm Winds         Liberty         Murray County       4       W Davis       07       1540CST       0       0       ?       ?       Hail (0.75)         Lone Grove       07       1547C		0.	0010001			v	v	•	•	Thunderstorm (Thus (GC2)	
Tushka 07 0900CST 0 0 0 ? ? Hail (1.00) 2 SW Atoka 07 0902CST 0 0 0 3 ? Thunderstorm Winds Bryan County 5 N Bokchito 07 0940CST 0 0 0 ? ? Hail (1.25) 5 N Bokchito 07 0940CST 0 0 0 ? ? Thunderstorm Winds Bokchito 07 0945CST 0 0 0 ? ? Thunderstorm Winds 8 W Durant 07 1015CST 0 0 ? ? Hail (0.75) 1 E to 0.75 07 1055CST 0 0 0 ? ? Hail (0.75) 1 E to 1 N 07 1055CST 0 0 ? ? Thunderstorm Winds N Liberty 2 E to 1 N 07 1055CST 0 0 ? ? Thunderstorm Winds Liberty Murray County 4 W Davis 07 1515CST 0 0 ? ? Hail (0.75) Carter County 1 NE Lone Grove 07 1540CST 0 0 ? ? Hail (0.75) Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (0.75)	5 N Atoka	07	0853CST			0	0	?	?	Hail (1.00)	
Tushka 07 0900CST 0 0 0 ? ? Hail (1.00) 2 SW Atoka 07 0902CST 0 0 0 3 ? Thunderstorm Winds Bryan County 5 N Bokchito 07 0940CST 0 0 0 ? ? Hail (1.25) 5 N Bokchito 07 0940CST 0 0 0 ? ? Thunderstorm Winds Bokchito 07 0945CST 0 0 0 ? ? Thunderstorm Winds 8 W Durant 07 1015CST 0 0 ? ? Hail (0.75) 1 E to 0.75 07 1055CST 0 0 0 ? ? Hail (0.75) 1 E to 1 N 07 1055CST 0 0 ? ? Thunderstorm Winds N Liberty 2 E to 1 N 07 1055CST 0 0 ? ? Thunderstorm Winds Liberty Murray County 4 W Davis 07 1515CST 0 0 ? ? Hail (0.75) Carter County 1 NE Lone Grove 07 1540CST 0 0 ? ? Hail (0.75) Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (0.75)	2.5 S Atoka	07				0	0	4	?		
Bryan County 5 N Bokchito 07 0940CST 0 0 0 ? ? Hail (1.25) 5 N Bokchito 07 0940CST 0 0 0 ? ? Thunderstorm Winds Bokchito 07 0945CST 0 0 ? ? Thunderstorm Winds 8 W Durant 07 1015CST 0 0 ? ? Hail (0.75) 1 E to 0.75 07 1055CST 0 0 3 ? Thunderstorm Winds N Liberty 2 E to 1 N 07 1055CST 0 0 ? ? Thunderstorm Winds Liberty Murray County 4 W Davis 07 1515CST 0 0 ? ? Thunderstorm Winds Carter County 1 NE Lone Grove 07 1540CST 0 0 ? ? Hail (0.75) Lone Grove 07 1547CST 0 0 ? ? Hail (0.75) Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (0.75)								?	?		
5 N Bokchito       07       0940CST       0       ?       ?       Hail (1.25)         5 N Bokchito       07       0940CST       0       0       ?       ?       Thunderstorm Winds         Bokchito       07       0945CST       0       0       ?       ?       Thunderstorm Winds         8 W Durant       07       1015CST       0       0       ?       ?       Hail (0.75)         1 E to 0.75       07       1055CST       0       0       ?       ?       Thunderstorm Winds         Liberty         Murray County       4 W Davis       07       1515CST       0       0       ?       ?       Hail (0.75)         Carter County       1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)		07	0902CST			0	0	3	?	Thunderstorm Winds	
5 N Bokchito       07       0940CST       0       ?       ?       Thunderstorm Winds         Bokchito       07       0945CST       0       0       ?       ?       Thunderstorm Winds         8 W Durant       07       1015CST       0       0       ?       ?       Hail (0.75)         1 E to 0.75       07       1055CST       0       0       ?       ?       Thunderstorm Winds         N Liberty       Nurray County       4 W Davis       07       1515CST       0       0       ?       ?       Hail (0.75)         Carter County       1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)						_	_	_	_		
Bokchito         07         0945CST         0         0         ?         ?         Thunderstorm Winds           8 W Durant         07         1015CST         0         0         ?         ?         Hail (0.75)           1 E to 0.75         07         1055CST         0         0         ?         ?         Thunderstorm Winds           N Liberty         07         1055CST         0         0         ?         ?         Thunderstorm Winds           Liberty         07         1515CST         0         0         ?         ?         Hail (0.75)           Carter County         1 NE Lone Grove         07         1540CST         0         0         ?         ?         Hail (1.00)           Lone Grove         07         1547CST         0         0         ?         ?         Hail (0.75)           Love County         3 W Overbrook         07         1555CST         0         0         ?         ?         Hail (0.75)           Marietta         07         1613CST         0         0         ?         ?         Hail (1.00)								?	?	Hail (1.25)	
8 W Durant 07 1015CST 0 0 0 ? ? Hail (0.75) 1 E to 0.75 07 1055CST 0 0 0 3 ? Thunderstorm Winds N Liberty 2 E to 1 N 07 1055CST 0 0 0 ? ? Thunderstorm Winds Liberty Murray County 4 W Davis 07 1515CST 0 0 ? ? Hail (0.75) Carter County 1 NE Lone Grove 07 1540CST 0 0 ? ? Hail (1.00) Lone Grove 07 1547CST 0 0 ? ? Hail (0.75) Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (0.75)							0	?	?		
N Liberty 2 E to 1 N			0945CST			Ŏ.		?	?		
N Liberty 2 E to 1 N			1015CST						?		
2 E to 1 N		07	1055CST			U	U	3	?	Thunderstorm Winds	
Liberty Murray County 4 W Davis 07 1515CST 0 0 0 ? ? Hail (0.75) Carter County 1 NE Lone Grove 07 1540CST 0 0 0 ? ? Hail (1.00) Lone Grove 07 1547CST 0 0 ? ? Hail (0.75) Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (1.00)	N Liberty	07	1055CCT			Δ	Δ	9	9	There does to see Winds	
Murray County         4 W Davis       07       1515CST       0       0       ?       ?       Hail (0.75)         Carter County       1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)		U/	1055051			U	U	•	•	i nunderstorm winds	
4 W Davis       07       1515CST       0       0       ?       ?       Hail (0.75)         Carter County       1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)											
Carter County         1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)		07	1515CST			0	0	9	9	Hail (0.75)	
1 NE Lone Grove       07       1540CST       0       0       ?       ?       Hail (1.00)         Lone Grove       07       1547CST       0       0       ?       ?       Hail (0.75)         Love County       3 W Overbrook       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)		07	1313031			U	U	•	•	Han (0.75)	
Lone Grove Love County       07       1547CST       0       0       ?       ?       Hail (0.75)         3 W Overbrook Marietta       07       1555CST       0       0       ?       ?       Hail (0.75)         Marietta       07       1613CST       0       0       ?       ?       Hail (1.00)		07	1540CST			0	0	?	9	Hail (1 00)	
Love County 3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (1.00)								<b>?</b>	<b>?</b>		
3 W Overbrook 07 1555CST 0 0 ? ? Hail (0.75) Marietta 07 1613CST 0 0 ? ? Hail (1.00)		0.	1017001			v	v	•	•	11un (01/0)	
Marietta 07 1613CST 0 0 ? ? Hail (1.00)	3 W Overbrook	07	1555CST			0	0	?	?	Hail (0.75)	
Thackerville 07 1700CST 0 0 5 ? Lightning								?	?		
							Ô	5	?		

Severe thunderstorms moved across portions of central, southern, and southeastern Oklahoma during the morning hours of the 7th, with numerous reports of large hail, winds as high as 90 mph, several areas of wind damage and at least 1 fire started by lightning.

The most significant damage of the day was at Prague, where winds estimated at up to 90 mp h caused widespread damage across the community. Civil defense officials estimated the damage in Prague at \$1,000,000. Winds knocked over the steeple at a local church and blew chain-link fences down. Several mobile homes were damaged and at least one was destroyed. Extensive damage was reported at the Prague High School, where a portion of the roof was ripped off by the winds, and the gym suffered significant water damage. The new scoreboard at the high school football field was bent to the ground. No injuries were reported from this storm.

Across southeast Oklahoma, wind damage was reported near Atoka. An auction barn 2.5 miles south of Atoka was severely damaged by strong thunderstorm winds. A quonset-hut type garage was destroyed by thunderstorm winds 2.5 miles southwest of Atoka.

At Lehigh, a mobile home was damaged by severe thunderstorm winds.

Thunderstorm winds also downed trees at Davenport, 2.5 miles south of Atoka, 2 miles southwest of Atoka, at Bokchito and 2 miles east, 1 mile north of Liberty, at Seminole, and 4 miles northwest of Seminole. A tree was blown on top of a house 1 mile east and 3/4 mile north of Liberty. Power

#### OKLAHOMA, Western and Southeastern Cont'd

poles were damaged or destroyed 2.5 miles south of Atoka, at Bokchito, and 2 miles east, 1 mil e north of Liberty.

In Thackerville, lightning struck a power pole, then traveled down the pole into the Thackerville High School, where it started a fire. The resulting fire completely destroyed the school.

Alfalfa County
8 W Manchester 17 1252CST 0 0 ? ? Hail (0.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Esti Dar Proper	mated mage rty Crops	August 1994
TARAHON	Date	Standard	(wines)	(Talus)	Killed	шушен	Fitope	ıy Cınps	Character th Signifi
8 W Manchester Grant County	17	1252CST			0	0	3	?	Thunderstorm Winds (G61)
4 S 3 W	17	1300CST			0	0	?	?	Thunderstorm Winds
Manchester	17	1220CCT			0	0	?	?	Thunderstorm Winds
4 S 3 W Manchester	17	1330CST			U	U	•	•	Thunderstorm winds
Garfield County	15	1245 CCT			Δ	0	9	0	H-1 (2.00)
Lahoma Lahoma	17 17	1345CST 1345CST			0	0 3	?	?	Hail (3.00) Thunderstorm Winds (G95)
Major County					•				,
3 É Meno 3 E Meno	17 17	1345CST 1350CST			0	0	?	?	Thunderstorm Winds (G76) Thunderstorm Winds (G98)
3 E Meno	<b>17</b>	1355CST			ŏ	Ŏ	<b>3</b>	?	Thunderstorm Winds (G98)
Garfield County Drummond	17	1355CST			0	0	?	?	Hail (3.00)
Drummond	17	1355CST			Ŏ	Ŏ	5	?	Thunderstorm Winds (G90)
Alfalfa County	15	1.400.CCT			Δ	0	9	9	,
Goltry Garfield County	17	1400CST			0	0	?	?	Thunderstorm Winds
Vance AFB	17	1404CST			0	0	?	?	Thunderstorm Winds (G54)
Kingfisher County 1 SE Kingfisher	17	1430CST			0	0	?	?	Thunderstorm Winds
_									
Dover 2.5 WSW to	17 17	1430CST 1433CST	2.0	40	0	0	? 4	?	Thunderstorm Winds Tornado (F1)
4.5 SW		1100001	_,,	••	ŭ	ŭ	-	·	1011111110 (11)
Kingfisher 5 SW Kingfisher	17	1448CST			0	0	3	?	Hail (4.50 by 6.50)
Okarche	17	1453CST			Ŏ	ŏ	?	?	Hail (2.25)
Canadian County	17	1 <i>455.</i> CCT			Λ	0	4	9	
3.5 SE Okarche 3.5 SE Okarche	17 17	1455CST 1455CST			0	0	4?	?	Hail (4.50) Thunderstorm Winds
Okarche	17	1458CST			0	0	?	?	Hail (2.00)
2 E Okarche Blaine County	17	1500CST			0	0	?	?	Hail (2.50)
10 E Watonga	17	1520CST			0	0	?	?	Hail (1.25)
10 E Watonga	17	1520CST			0	0	?	?	Thunderstorm Winds (G52)
Oklahoma County Wiley Post	17	1532CST			0	0	?	?	Thunderstorm Winds (G52)
Airport									
Canadian County 3 E Yukon	17	1537CST			0	0	?	?	Hail (0.88)
Grady County									, ,
Minco Oklahoma County	17	1539CST			0	0	?	?	Thunderstorm Winds (G52)
Warr Acres	17	1555CST			0	0	?	?	Thunderstorm Winds (G61)
Dewey County	17	1400CCT			Λ	0	9	9	Hall (0.99)
3 NW Lenora Canadian County	17	1600CST			0	0	?	?	Hail (0.88)
11 W 4S El Reno	17	1610CST			0	0	?	?	Hail (0.75)
11 W 4S El Reno Woodward County	17	1610CST			0	0	?	?	Thunderstorm Winds
5 E Mutual	17	1630CST			0	0	?	?	Hail (1.25)
Canadian County Okarche	17	1645CST			0	0	4	?	Hail (2.75)
OKLAHOMA, W			neastern	Cont'd	U	U	4	•	Han (2.73)
,	CSCCII		10450011	. com u					
Caddo County 3 N to 3.25	17	1650CST			0	0	?	?	Hail (1.00)
W Anadarko									• •
3 N to 3.25	17	1650CST			0	0	?	?	Thunderstorm Winds (G52)
W Anadarko Pocasset	17	1650CST			0	0	?	?	Hail (0.88)
Dewey County									•
Camargo	17	1705CST			0	0	?	?	Hail (0.75)

		Time Local/	Path Length (Miles)	Path Width	Num Pers	iber of	Esti Da	imated mage rty Crops	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Prope	rty Crops	Character of Storm
Caddo County									
4 S Anadarko	17	1706CST			0	0	?	?	Hail (0.75)
Grady County 4 S Norge	17	1710CST			0	0	?	?	Hail (0.75)
Custer County 11 NW Custer	17	1715CST			0	0	?	?	Hail (1.00)
City Caddo County		1,10001			Ü	Ü	·	•	
4 S Anadarko	17	1716CST			0	0	?	?	Hail (0.75)
Roger Mills County Hammon	17	1720CST			0	0	?	?	Thunderstorm Winds (G65)
Comanche County Elgin	17	1728CST			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
Elgin	17	1728CST			Ŏ	Ŏ	?	?	Thunderstorm Winds (G52)
Grady County 4 NNW Rush	17	1730CST			0	0	?	?	Thunderstorm Winds
Springs Roger Mills County									
Roger Mills County 2 WNW Hammon 2 WNW Hammon	17 17	1730CST			0	0	3?	?	Thunderstorm Winds (G80)
Custer County		1730CST				-			Hail (2.00)
2 NW Clinton Beckham County	17	1744CST			0	0	?	?	Hail (1.00)
1 W Elk City Washita County	17	1804CST			0	0	?	?	Thunderstorm Winds (G65)
5 SW Cordell	17	1805CST			0	0	?	?	Hail (0.88)
5 SW Cordell Stephens County	17	1805CST			0	0	?	?	Hail (0.88)
Corum Beckham County	17	1806CST			0	0	?	?	Thunderstorm Winds
2 W Elk City	17	1809CST			0	0	3	?	Thunderstorm Winds
Stephens County 3 SSE Corum	17	1810CST			0	0	?	?	Hail (1.75)
Roger Mills County 3 SE Herring	17	1815CST			0	0	?	?	Thunderstorm Winds (G52)
Station Cotton County									
Temple	17	1815CST			0	0	?	?	Thunderstorm Winds (G65)
Beckham County 1.5 N to	17	1816CST	2.0	40	0	0	5	?	Tornado (F1)
0.5 S Carter Jefferson County									
Addington Washita County	17	1820CST			0	0	?	?	Thunderstorm Winds (G68)
Rocky	17	1820CST			0	0	?	?	Hail (0.75)
Beckham County 5.5 SSW Carter	17	1821CST			0	0	?	4	Hail
Washita County 2 N Sentinel	17	1830CST			0	0	4	?	Thunderstorm Winds (G74)
Kiowa County Hobart Munici-	17	1835CST			0	0	?	?	Thunderstorm Winds (G55)
pal Airport	17	1055C51			U	U	•	•	munderstorm winds (G33)
Dewey County Cestos	17	1842CST			0	0	?	?	Thunderstorm Winds (G65)
OKLAHOMA, We	esteri	and Soutl	heasterr	n Cont'd					
Kiowa County									
Hobart Dewey County	17	1842CST			0	0	?	?	Thunderstorm Winds (G84)
Cestos	17	1842CST			0	0	?	?	Thunderstorm Winds (G65)
Major County Chester Greer County	17	1842CST			0	0	?	?	Thunderstorm Winds (G65)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed		Da	mated mage rty Crops	August 1994
			, , , , , , ,					,	
3 SW Willow	17	1845CST			0	0	?	?	Thunderstorm Winds (G61)
Beckham County 4 S Delhi	17	1845CST			0	0	?	?	Thunderstorm Winds
Greer County	17	1045051			U	U	•	•	Thunderstorm winds
Brinkman	17	1857CST			0	0	5 ?	?	Thunderstorm Winds
Willow	17	1900CST			0	0	?	?	Thunderstorm Winds (G70)
Willow	17	1900CST			0	0	?	?	Hail (1.25)
Kiowa County					_	_	_	_	
7 NW Mountain	17	1900CST			0	0	?	?	Hail (1.00)
Park									
<b>Greer County</b>	4.	1002 CCT			•	•		0	TI 1 ( W. 1 (CE1)
Mangum	17	1902CST			0	0	?	?	Thunderstorm Winds (G71)
Mangum	17	1904CST			0	0	4 5	?	Thunderstorm Winds (G90)
5 SE Mangum	17	1915CST			0	0	5	?	Thunderstorm Winds (G57)
Jackson County	17	1020CCT			Λ	Λ	9	9	There do not o now Winds (C70)
Martha	17	1920CST			0	0	?	?	Thunderstorm Winds (G70)
Jefferson County	17	1020CCT			0	0	?	?	Thunderstorm Winds
4 N Hastings Greer County	1/	1920CST			U	U	•	•	Thunderstorm winds
1 E Mangum	17	1935CST			0	0	?	?	Thunderstorm Winds
Jackson County	1/	1933031			U	U	•	•	Thunderstorm winds
Duke Duke	17	1935CST			0	0	?	?	Thunderstorm Winds (G70)
Tillman County	11	1755051			U	U	•	•	Thunderstorm Winds (G70)
Tipton	17	1935CST			0	0	?	?	Thunderstorm Winds (G71)
4 S Tipton	<b>17</b>	1950CST			Ŏ	Ŏ	?	?	Thunderstorm Winds (G53)
4 S Tipton	<b>17</b>	2000CST			Ŏ	Ŏ	?	ż	Thunderstorm Winds (G57)
Frederick	<b>17</b>	2010CST			Ŏ	Ŏ	?	? ? ?	Thunderstorm Winds

Thunderstorms which had developed in Kansas during the morning hours of the 17th move d southward into portions of northwest and central Oklahoma during the afternoon hours of the 17th. Thunderstorm outflow from these storms is believed to help enhance the development of a second round of severe thunderstorms which developed in western Oklahoma and moved into north Texas. In Oklahoma these storms produced winds measured up to 113 miles per hour, hail softball to football size, and 2 tornadoes. The severe thunderstorms were located along 2 main paths.

The first area of storms moved into Oklahoma along the Kansas border near Manchester. Thes e storms remained produced damage along a path extending southward to an area between Richland and the area southwest of El Reno in Canadian County.

Of the 500 to 800 permanent homes and businesses that were damaged by the first area of sever e thunderstorms, all were damaged by large hail driven by high winds. In virtually every case, damage was on the north side of the buildings. Buildings in several areas received lesser damage on the east side, while very few were damaged on the west side. None were damaged on the south side. Damage consisted of dented or perforated siding (including 3 to 4 inch dents and holes in some cases), o r broken windows (hail passed through the walls in some cases). A significant number of permanent homes and businesses examined suffered enough damage to render them temporarily unusable.

Mobile homes suffered far worse damage than did permanent structures in the same area. Thos e oriented north-south fared much better than those oriented east-west, but in virtually all cases the windward sides were severely dented, and in some cases stripped of siding. Windows and doors on windward sides were shattered. In several cases, hail was driven through the sides and the roof, and accumulated inside the mobile home. It was estimated that less than one-forth of the 80 to 120 mobile homes that were damaged were liveable immediately afterward, and more than half were damaged beyond repair.

#### OKLAHOMA, Western and Southeastern Cont'd

Numerous barns, sheds, silos, etc. suffered major damage; several barns were levelled. High winds caused most of the damage.

Several hundred utility poles were downed by the storm.

Windows on several hundred vehicles were shattered by hail, in many cases there was no glass left on the vehicle. Dents on the sides and tops of cars, trucks, RV's, etc, were several inches in diameter in some cases.

	Time	Path	Path	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	$\mathcal{C}$
Location	Date Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

Damage to trees and shrubs was extensive, especially in the Lahoma and Drummond area wher e virtually every deciduous tree within miles, and most of the evergreen trees, were stripped of leaves by the hail. There were few uprooted trees; most of the trees that were damaged by wind were either snapped off near the trunk (a few over 3 feet in diameter) or had large branches removed. Lawns and fields in some areas were beaten into a brown-green mulch. There were places along the storm path where no green vegetation could be seen in any direction.

A detailed description of specific damage along selected areas along the storms path follows:

ALFALFA COUNTY. Winds downed power poles and tore the roof off a barn 8 miles west of Manchester. Trees limbs were downed 4 miles south, 3 miles west of Manchester. Trees were downed at Goltry.

FROM MENO TO LAHOMA TO 5 MILES EAST OF LAHOMA. Widespread damage occurred from 2.5 miles east of Meno to 3 miles east of Laho ma. The storms struck Lahoma between 2:45 PM and 3 PM and was observed as a large cloud of dust approaching from the north. Few, if any, structures in Lahoma were left undamaged, with most damage being in the form of stripped or damaged siding on the north and east sides of buildings. In Lahoma, 102 residences were damaged or destroyed (25 mobile homes and one house destroyed, 5 mobile homes and 25 homes with major damage, and 6 mobile homes and 40 houses with minor damage.) The Lahoma Post Office and the Cimarron School suffered roof damage. Several businesses were damaged, including an R V dealership that lost its entire inventory of RV's and travel trailers, with the loss estimated at \$500,000

The Oklahoma Mesonet site 2 miles west of Lahoma (3 miles east of Meno) recorded onset of strong winds between 2:40 and 2:45 PM - a five minute peak gust of 86 miles per hour. It then recorded a five minute winds speed of 78 miles per hour and a peak gust of 113 miles per hour, measured by wind instruments approximately 33 feet above the ground. Another peak gust of 113 miles per hour was measured between 2:50 and 2:55 PM, before the wind equipment was damaged. (Based on damage assessment, peak ground-level winds were estimated to be 75 to 100 MPH.)

Several people suffered minor injuries from broken glass, and bruises from hail (the exact number is unknown). Three people were hospitalized, one for a concussion. Several people were treated for hypothermia.

DRUMMOND AREA. Virtually every structure in Drummon d suffered damage, mostly to windows, roofs, and siding on the north side. An 80 foot metal storage building was destroyed, exposing farm equipment and other contents. A barn 1/2 mile northeast of Drummond was destroyed, and the debris was deposited 1/2 mile to the south. Ten to 15 mobile homes on the north side of Drummond were destroyed or heavily damaged by hail; all were oriented north-south and suffered major damage on their north sides.

2 MILES SOUTH OF DRUMMOND. Tree and roof damage was found on several homes and outbuildings from 1.5 miles west to 2 miles east of Route 132. In a cemetery 1.5 miles west of Highway 132, several headstones were overturned, possibly by debr is impact. The caretakers building was destroyed, and debris was spread 100 yards or more to the south.

EAST OF LACEY. Within a 2 to 3 mile radius of the junction of routes 51 and 132, several large barns were damaged or destroyed and at least three power poles were downed.

DOVER. Tree limbs and many power lines were downed.

THE WEST SIDE OF KINGFISHER. Widespread damage occurred to trees, homes, windows, and outbuildings in and around the Lake Elmer area (4 miles west-northwest of downtown Kingfisher). A barn, with an estimated value of \$80,000, was destroyed, and debris blown for several hundre d yards to the south and southwest. Hail ranged from golfball size. One mobile home was destroyed.

#### OKLAHOMA, Western and Southeastern Cont'd

MEEKER ADDITION, 2.5 MILES SOUTH-SOUTH WEST OF KINGFISHER. Nearly every home was damaged by hail, all on the north side. Most homes also had minor roof damage. A total of 115 homes and eight apartments were damaged. Hail penetrated siding on some homes, leaving hole s several inches in diameter. Another 17 homes received similar damage in a subdivision 1 mil e northwest of the Meeker Addition. Divots in the ground, and dents or holes in exposed objects, indicate that a few hailstones were baseball size.

2.5 MILES WEST-SOUTHWEST OF KINGFISHER TO 4.5 MILES SOUTHWEST OF KINGFISHER. A small (F1) tornado touched down at 3:33 PM and moved south-southeast for 2

		Time	Path	Path	Number of	Estimated	August 1994
		Local/	Length	Width	Persons	Damage	0
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

miles. A 40 foot aluminum trailer, parked east-west, was lifted over a pickup truck parked to its south and dropped on its side 40 to 50 feet to the south. The pickup was rolled about 20 feet to the south and ended up on a pile of bricks and farm accessories, with its nose about 6 to 8 feet off the ground.

Based on eyewitness reports this was probably a gustnado which formed along the leading edge of the storm.

5 MILES SOUTHWEST OF KINGFISHER ALONG HIGHWAY 81. A motorist drove into large hail at this point at 3:48 PM. He suffered extreme hail damage to his vehicle. The windshield and back window were completely broken out, and there was severe damage to the body of the truck. He then continued south on Highway 81 to the Okarche Police Department to warn them of the approaching storm. The policeman who examined the truck reported a hailstone was lying in the bed of the truck which measured 4.5 inches by 6.5 inches and was said to "look like a football".

ALONG HIGHWAY 3, 3.5 MILES SOUTHEAST OF OKARCHE. Between 30 to 40 mobil e homes, all oriented east-west, were heavily damaged or destroyed by hail or strong winds estimated at 60 to 90 miles per hour. Eyewitnesses reported hail from baseball to softball size. All mobil e homes were damaged on the north and east sides; siding was pounded, and all windows were broken. Roofs were lifted from at least 3 mobile homes, one of which disintegrated in a field 50 to 75 yards south of the mobile home from which it was lifted. One resi dents dog was beaten to death by the hail, and several chickens and ducks were also killed.

11 MILES WEST, 4 MILES SOUTH OF EL RENO. Severe thunderstorm winds ripped the door off a storm cellar.

Thunderstorm winds also caused other scattered areas of damage. Trees were downed 4 miles northnorthwest of Rush Springs, and 4 miles north of Hastings, and trees and power lines were reported downed at Corum.

A second area of thunderstorms developed over portions of Roger Mills County in northwest Oklahoma, and quickly became severe. A mobile home was blown on top of another mobile home 2 miles west-northwest of Hammon. The storms moved into Beckham County and began to produce widespread damage in the Elk City area. Two semis were blown over at a truck stop 2 miles west of Elk City. In the area 3 miles north of I-40 several houses sustained mostly minor roof damage. A house in Erick had a picture window and its framing blown in.

As the center of highest winds then moved toward the city of Carter and strengthened, an F-1 gustnado developed. This gustnado moved from 1.5 miles north of Carter to 0.5 miles south of Carter. One and one-half miles north of Carter several barns were destroyed, and the debris was spread northwestward. A brick home had the east side garage door blown in and the garage roof blow n northwestward.

One mile north-northeast of Carter, a well-anchored mobile home was completely destroyed, and the debris spread westward. The straps and concrete anchors were pulled from the ground.

One and one quarter miles northwest of Carter, the tornado moved through a mobile home park where 3 out of 4 mobile homes were completely destroyed. The fourth mobile home received extensive damage but remained standing against the lower portion of several trees. Numerous trees on the south side of the park were completely sheared off 10 to 15 feet above the ground and carried a considerable distance across State Highway 34. The Carter School had extensive roof damage.

Along the rest of the storm path, widespread damage was done by straight-line winds. Five and one-half miles south-southwest of Carter, a barn was destroyed, and a farmer lost 100% of his alfalfa , peanut and watermelon crops. Some fields which were ready for harvest the day before looked as if nothing had ever been planted.

#### OKLAHOMA, Western and Southeastern Cont'd

The strong winds continued moving into southwest Oklahoma. The area of strongest winds passed 2 to 3 miles west of the cities of Willow, Brinkman, and Mangum, but were still close enough to cause extensive damage.

In Brinkman, 2 grain elevators received major damage.

In Mangum, the entire city received winds of over 80 MPH for 5 to 7 minutes, with gusts in at least 2 areas over 100 MPH.

The first area of damage from winds in excess of 100 MPH in Mangum was about 1 mile long and a few hundred yards wide extending from the fairgrounds on the far northwest side of the city south-

		Time	Path	Path	Number of	Estimated	August 1994
		Local/	Length	Width	Persons	Damage	$\mathcal{C}$
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

southeast to about 1/2 mile north of the downtown area. At the fairgrounds a large span building had most of its roof and 2 walls blown down. Just southeast of this location a small wood frame house, a mobile home and several were completely destroyed. Signs and power poles were blown over. The Mangum Elementary School at the south end of this area of maximum winds had extensive win d damage to the roof and west walls.

The 2nd area of strong winds around Mangum was located on the east side of the city, and was about 2 miles long. At the beginning (north end) of the damage path, several barns and outbuildings were damaged. The middle of this area had major roof and some wall damage to several brick houses. A 450 foot tall cable TV and communication tower located at the south end of this second damage area was toppled. In the area 1 mile east of Mangum, 2 people were trapped inside their truck when trees and power lines fell on top of the truck.

Localized wind damage also continued some distance west of Mangum. A small hay barn 11 miles west of Mangum was blown down.

A summary of damage from this second storm includes at least 8 mobile homes totally destroyed, at least some damage to 70 percent of the approximately 800 homes in Carter, Willow, Brinkman, Mangum, significant roof damage to about 20 businesses, and nearly total destruction of all outbuildings and barns in the direct path of the storms.

The continuous damage path was about 42 miles long and 3 to 8 miles wide. There were no reported injuries with this 2nd area of storms.

Wind damage also occurred in other areas away from this main damage path. Severe thunderstorm winds blew down an 80,000 pound oil drilling rig and truck carrier 2 miles north of Sentinel. Winds from isolated severe thunderstorms produced tree damage 4 miles south of Hastings and 4 miles south of Delhi.

These storms continued their southward movement, where they caused intermittent damage across Jackson County and Tillman County before moving across the Red River into Texas. Power poles were reported downed in Frederick.

<b>Garfield County</b>							
Garber	19	1640CST	0	0	?	?	Hail (1.25)
4 E Garber	19	1715CST	0	0	?	?	Hail (1.50)
4 E Garber	19	1715CST	0	0	?	?	Thunderstorm Winds (G63)
Noble County							
6 S Billings	19	1720CST	0	0	?	?	Hail (1.00)
6 S Billings	19	1720CST	0	0	?	?	Thunderstorm Winds (G61)
Major County							
5 Ň Fairview	19	1840CST	0	0	?	?	Hail (0.88)
Kay County							
1 N to 3 W	19	1905CST	0	0	?	?	Hail (0.75)
Chilocco							
4 W Chilocco	19	1910CST	0	0	?	?	Thunderstorm Winds (G52)
Woods County							
6 NW Alva	19	2045CST	0	0	?	?	Hail (0.88)
6 NW Alva	19	2045CST	0	0	?	?	Thunderstorm Winds (G63)
Garfield County							
Enid	19	2108CST	0	0	4	?	Lightning
Woods County							
3 S Alva	19	2110CST	0	0	3	?	Thunderstorm Winds

#### OKLAHOMA, Western and Southeastern Cont'd

Garfield County							
Enid	19	2230CST	0	0	4	?	Lightning

Severe thunderstorms moved across portions of nor thern Oklahoma during the afternoon and evening hours of the 19th. These storms produced hail up to 1 1/2 inches in diameter, winds to 72 MPH, and damaging lightning which started at least 2 house fires.

In Alva, a mobile home was blown over by the strong winds.

Lightning struck 2 homes in Enid. During the mid-evening hours, lightning struck a home, and the resulting fire destroyed the home. A second strike occurred about 1 1/2 hours later. Lightning struck a 2nd house, starting a fire which killed a man living inside. The house was valued at \$40,000.

•		Time Local/	Path Length	Path Width	Per	nber of	Esti Da	imated mage rty Crops	August 1994		
Location	Date	Standard	(Miles)	(Yards)	Killed	I Injured	Prope	rty Crops	Character of Storm		
Oklahoma County NW Oklahoma City	20	0020CST			0	0	?	?	Thunderstorm Winds		
•	A iso	olated severe t sed damage to	thunderstor trees and	m struck n to the roo	orthwe f of a l	st Oklah 10use.	oma C	ity. Stro	ong winds from the thunderstorm		
Logan County Orlando Garfield County Woodring Airport	30	1550CST			0	0	?	?	Thunderstorm Winds (G52)		
	30	1605CST			0	0	?	?	Thunderstorm Winds (G55)		
Major County Meno	30	1605CST			0	0	?	?	Thunderstorm Winds (G50)		
Payne County NE Stillwater	30	1650CST			0	0	?	?	Thunderstorm Winds (G61)		
	A fe to 7	A few severe thunderstorms across portions of northern and central Oklahoma produced winds up to 71 MPH.									
Seminole County Seminole	31	0430CST			0	0	?	?	Lightning		
	Lightning strikes from a thunderstorm over Seminole k nocked out power in the area across northwest Seminole, destroyed 2 water meters at 2 homes, and blew a hole in a concrete driveway.										
Love County 2N to 2W	31	1325CST			0	0	3	?	Hail (0.75)		
Burneyville	An isolated severe thunderstorm produced dime size hail northwest of Burneyville.										
Pontotoc County 2 S Pickett	31	1340CST			0	0	3	?	Lightning		
	Lightning stuck a hay barn, and the resulting fire destroyed the barn.										
OREGON											
Harney County Drewsey Umatilla County .5 SE Pilot	01	1 1800PST			?	?	?	?	Thunderstorm Winds (G61)		
	02	2200PST			?	?	3	?	Thunderstorm Winds (G61)		
Rock	Winds associated with a severe thunderstorm damaged the ro of, chimney, and TV antenna on a house near Pilot Rock, about 12 miles south of Pendleton.										
Umatilla County 10 E Pendleton Airport Umatilla County Helix	03	1600PST			?	?	?	?	Hail (1.60)		
	03	1630PST			?	?	?	?	Hail (0.75)		
PENNSYLVANIA, Eastern											
Susquehanna County Dimock	Λ1	10 <i>55</i> DOT			0	0	9	9	Thundaustaum Winds		
Dimock	01 1055EST 0 0 0 ? ? Thunderstorm Winds  Trees were uprooted, siding was ripped off houses and grape vines were broken in Dimock Uprooted trees made Pennsylvania State Route 29 impassable.										
Bradford County Rome	02	1545EST		•	0	0	?	?	Thunderstorm Winds		
	Tree	es were knock	ked down	in Rome.							
Tioga County Middlebury Ctr	02	1627EST			0	0	1.5k	K .5M	Thunderstorm Winds		

Leading	Dete	Time Local/	Path Length (Miles)	Path Width	Pers	ber of	Estir Dan	nated nage	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Proper	y Crops	Character of Storm
	Tree	es were uproof	ted in Mic	ldlebury C	enter.				
<b>Bucks County</b>		•		,					
E Portion	02 Dov	1745EST	os moro r	norted in	0	0 ports of	? f Duals	?	Thunderstorm Winds y. This was the same westward
	mov	ing thunderst	orm that d	lropped a t	ornado	onto ne	ighbor	ing Bur	lington County New Jersey.
Dauphin County Harrisburg	04	1626EST			0	0	?	?	Thunderstorm Winds (G52)
	Mea Harr	sured wind grisburg and at	gusts to 60 Harrisbur	mph and g Internati	58 mp ional A	h were i	recorde espectiv	ed at the vely.	Federal Building in downtow n
Berks County C Portion	04	1750EST			0	0	?	?	Thunderstorm Winds
Topton Boyertown	04 04	1810EST 1820EST			0	0 0	? ? ?	?	Thunderstorm Winds Thunderstorm Winds
	and i	in Topton and	Bovertov	vn in easte	rn Berk	s Coun	tv. Sca	attered r	wnship in central Berks County ower outages occurred in these centration (730) in Muhlenberg
Luzerne County Countywide	13	1430EST-			0	0	0	0	The section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the se
6 NW Kyttle Plymouth	13 13	1500EST 1430EST 1445EST			0 0 2	0 1 0	?	?	Thunderstorm Winds Lightning Lightning
	Ligh injung throw in Pl pavi strue	ntning killed tred when ligh ugh his right s ymouth Town	two wome tning stru shoulder a ship two ing also s ceived th	en and injuck a tent hand exited women we plit two of ird degree	ared on the was lethrough the struct the pa burns	e man inding in his right his right his right his right his right his right. It is a man his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his right his rig	n separ n Ricke ht foot tilled b six su % of h	rate incietts Gle Tarth Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn Sightn	Idition 5,800 homes lost power. dents. A 42-year-old man was n State Park. Lightning entered er southeast in Moon Lake Parking while taking shelter under a losts. One woman was so badly, had two quarters fused in her
Lackawanna County Scranton	13	1455EST			0	0	?	?	Hail (0.75)
~		e-size hail fel	l on the n	orth side o			-	-	· ()
Montgomery County Telford	13	1536EST			0	0	?	?	Thunderstorm Winds (G57)
Tenoru		mated wind g	usts to 65	mph were	-			•	Thunderstorm (Mass (Ge7)
Bucks County Telford Chalfont Doylestown	13 13 13	1537EST 1540EST 1555EST		•	0 0 0	0 0 0	???	???	Thunderstorm Winds Hail (0.75) Lightning
PENNSYLVANIA	, Eas	stern Cont'	d						
	resionit	dents were ev	acuated f	rom the Le	enape V	/alley F	oundat	ion San	Chalfont. In Doylestown, si x dy Ridge Center after lightnin g chimney and siding off a house
Lancaster County N Portion	13	1600EST- 1630EST			0	0	?	?	Thunderstorm Winds (G52)
Rohrerstown	13	1610EST	CC	4.1	0	Ŏ	?	?	Hail (1.75)

Severe thunderstorms affected most of northern Lancaster County. Downed trees and power lines were reported in Columbia, Ephrata (Gusts to 60 mph reported), Manheim, New Holland, Salunga and West Hempfield. A downed tree in West Hempfield punched hol es in the roof of a house. About

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons 1 Injured	Estin Dan Propert	nated nage ry Crops	August 1994 Character of Storm
	1,50		power. Ii	addition	to dow	ned tree	s, golf	ball-siz	e hail fell in Rohrerstown.
<b>Montgomery County</b>	13	1625EST- 1645EST			0	0	?	?	Thunderstorm Winds (G62)
	"cou cons trees Upp were	antless" numistruction colla s. In Souderto er Merion, a l without power	ber of tro psed. In n a measi arge tent er. About	ees and w New Hand ured wind was knock 25,000 cus	rires. over wi gust to ed dow tomers	In west ind gust 58 mph vn at the through	tern Co s to 73 was ole Valley out the l	onshoho mph we oserved Forge Phila de	owned what was described as a cken two house frames under ere observed along with downed along with marble-size hail. In Convention Center. Thousands lphia Electric Company (PECO) wer as of 830 pm EST.
Chester County 6 E Honey Brook	13	1640EST	0.5	100	0	0	?	?	Tornado (F0)
	Ther on I	e was no prop	erty dama least 20)	ge, but nun , Templin	nerous and Ir	trees wo	ere upro	ooted or	ton Road in Wallace Township. c snapped (up to three feet wide) e tornado was sighted by man y
Chester County 6 E Downingtown 7 NE Downingtown	13 13	1655EST 1700EST	0.3	100	0	0	?	?	Thunderstorm Winds Tornado (F1)
	mov Road But, dam prod	ed northeast in d. Most of the a couple of age. Althou	nto Charle damage values know gh the to st winds v	estown Tovith the second down ornado lifte which known	wnship ond tor awnin ed in w cked ov	o, it drop nado of ags and vestern	pped a F this day a churc parts of	F1 (Fuji y in Che ch sign f Charle	ownships. As the thunderstorm ta Scale) tornado on Valley Hill ester County was uprooted trees. and resulted in minor propert y estown, its parent thunderstor m nia State Route 29 in the eastern
York County SW Portion	14	1300EST- 1310EST			0	0	?	?	Thunderstorm Winds
	the c	county. Trees	were kno resulted	cked down in 1,200 l	n in Gle Metrop	en Rock olitan E	, Stove Edison (	rstown Compar	hips in the southwest section of and West Manheim Townships. by customers losing power. In
Chester County N & C Portion	14	1345EST- 1400EST			0	0	?	?	Thunderstorm Winds
	cent wire East	ral Chester Cost reported in Brandywine Strown. A 20	ounty. Se West Sad , Uwchla	everal large Isbury Tov In and We	e trees vnship. st Pike	were sn Simila land.	apped or wind The last	cross se off or u related t damag	veral townships in northern and prooted with downed limbs an d damage occurred farther east in ge of the afternoon occurred i n indows and the front porch of a
PENNSYLVANIA	, Eas	stern Cont'	d						
Lancaster County 3 NE Gap	14	1400EST			0	0	?	?	Thunderstorm Winds
з нь Сар		es were report	ed knocke	ed down in				•	THUHUCISWIHI WHUS
Bucks County 2 N Quakertown C Portion	14 14	1400EST 1400EST			0	0	?	?	Thunderstorm Winds Thunderstorm Winds
	Tree Buc	es and tree li kingham and	mbs were Upper Ma	e reported akefield To	downe ownshi	d in Rie ps in ce	chlandt ntral Bu	own in icks Co	northern Bucks County and i n unty.
Montgomery County 3 SW Norristown	14	1410EST	1.0	100	0	0	?	?	Tornado (F1)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estima Damaş Property	ge	August 1994
LOCATION	Date	Siandard	(WHES)	(TAIOS)	Killen	mjiirea	Property	Crops	Character of Sioriii
Audubon 2 SW Lansdale	14 14	1410EST 1420EST			0	0	? 30K	?	Thunderstorm Winds Thunderstorm Winds Lightning
	Meri The torna wind poor susta toucl	on Township of tornado sightin ado stayed on the I damage was de health or ver ained about \$6	on Allendag was phone ground lowned or yold. To 5,000 in control on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile on the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile of the mile o	le Road just oned into the for about of snapped (4) wo houses lamage to the King	st to the Natione minus of to 50 to 50 were its room	e north of onal We le before 0) trees. damage f, porch,	of the Peather Seather	ennsylvervice around around alk of the ees falles bathro injurie	e/Lafayette Park area of Upper vania Turnpike (Interstate 276). by a SKYWARN Spotter. The I Crossfield Road. Most of the ne uprooted trees were either in ling on them. The worse on e oom and gutters. The tornad o es were reported. This was the rea this year.
	betw Gwy Dam tree	een 12 and 18 nedd house. It age was estim	trees in U apparent ated bety Frequent	pper Gwyn ly entered veen \$25,0 t lightning	edd To throug 00 and resulto	ownship h the ele l \$30,00 ed in po	. A ligh ectrical l 0. Thur ower out	ntning s box and ndersto	centerfield fence and uprooted strike ignited a fire in an Upper d started a fire in the basement. rm winds uprooted a large pear to 55,000 Philadelphia Electri c
Delaware County NW Portion	14	1430EST			0	0	?	?	Thunderstorm Winds
	hit a	areas were Ra aged. One of	dnor Tov	vnship wit	h 25 t	rees dar	maged a	and the	Delaware County. The hardest Easttown area with 18 trees but none of its occupants were
Luzerne County Hunlock Creek	14	1435EST			0	0	?	?	Thunderstorm Winds
	Tree	s were knocke	d down a	long U.S. l	Route	11 in Hu	ınlock C	Creek.	
Philadelphia County Philadelphia Philadelphia	14 14	1445EST 1450EST			0	0	? 20K	?	Thunderstorm Winds Lightning
	to W	/PGR-AM's R	oxboroug	transmit;	ter cau	sed \$20	,000 in	electric	hiladelphia. A lightning strike cal equipment damage. It als o tts to 1,000 watts.
Susquehanna County Clifford	14	1530EST	0.1	2	0	0	?	?	Tornado (F0)
	eyev	vitness report gles were torn	s includir	ig a SKYV	VAŘN	Spotter	who sa	wit. A	n Clifford. There were several A shanty was lifted into a tree . over 100 feet. No injuries were
<b>Bradford County</b>	18	0059EST- 1300EST			0	0	3.9M	?	Flood/Flash Flood
PENNSYLVANIA	, Eas	stern Cont'o	i						
<b>Lycoming County</b>	18	0130EST-			0	0	2 2414	. 9	Flood/Floob Flood
Tioga County	18	1500EST 0130EST- 1500EST			0	0 2	2.24M 4.1M	?	Flood/Flash Flood Flood/Flash Flood
<b>Union County</b>	18	0230EST- 0800EST			0	0	?	· ?	Flood/Flash Flood
<b>Clinton County</b>	18	0400EST- 0700EST			0	2	· ?	· ?	Flood/Flash Flood
	The		onical Sto	rm Beryl dr					over north central Pennsylvania

The remnants of Tropical Storm Beryl dropped up to 5 inches of rain over north central Pennsylvania and resulted in one death, four injuries and an estimated ten million dollars in damage. Rainfal 1 storm totals ranged from 2.75 inches at Williamsport to 5.03 inches in Trout Run in Lycomin g County, from 2.8 inches in Covington to 4.20 inches in Harrison Park in Tioga County and from 2.23

		Time	Path	Path	Number of	Estimated	August 1994
		Local/	Length	Width	Persons	Damage	υ
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

inches in Towanda to 4.28 inches in Bentley Creek in Bradford County. Most other locations in the Susquehanna Valley had storm totals of between 2 and 3 inches of rain with the least amounts over southern areas. Most of the rain fell within a 12 hour period. This, combined with soaking rains on the 13th, left soil moisture levels unusually high for mid-August and exacerbated the floodin g problems. States of Emergency were declared in both Bradford and Tioga Counties.

In Bradford County, the most serious flooding was in the western half of the county along Buck and Bentley Creeks. The hardest hit community was Wells To wnship with Pennsylvania State Route 549 washed out and flood damage to eight bu sinesses and seventeen homes. Other hard hit communities included Athens, Canton, Ridgebury and Troy. About 30 roads were closed because of floodin g and/or debris on the road including U.S. 6 and Pennsylvania State Routes 14 and 4028. Thirty of the thirty five persons evacuated in the county were removed from a mobile home park in Ridgebur y Township. In Waverly, the Dry Brook Creek flooded the basement of the Village Hall and the Annex Building and caused a major disaster to police equipment and records as well as the village archives. A bridge on Kelly Road in Smithfield Township washed out.

In Lycoming County, the central and western sections were hardest hit with rises along the Lycoming Creek exceeding those during Hurricane Agnes because of the greater concentration of rainfall. Record crests (Gaged since 1979) of 15.1 feet at Camp Susque and 14.5 feet at the number 4 bridge at Hepburnville were recorded. The hardest hit communities included Lycoming (25 dwellings lost), McIntyre (22 dwellings lost), Lewis (15 dwellings lost) and Old Lycoming (13 dwellings lost). Most of the 350 evacuations and rescues occurred along Lycoming Creek in the Antes Addition of Old Lycoming Township. Other evacuations occurred along Larry's Creek in Salladasburg. About 107 adults and 71 children took shelter at Red Cross shelters. Almost every road in the central and western parts of the county were closed. In addition to the damaged dwellings, 80 trailers were damaged or destroyed at the Pine Creek Camping Resort.

Tioga County suffered the greatest damage and the only storm related death. Most roads wer e flooded (including U.S. Routes 6 and 15) and all major streams flooded including the Tioga and Cowanesque. Covington Township was the hardest hit township as every road in town had flood related damage. About 100 persons were evacuated in Keenyville and Middlebury Center, another 50 persons were evacuated along the Cowanesque River. The worst road damage occurred on Pennsylvania State Route 549 near Daggett as half a mile of the roadway was washed out. Also hard hit was Pennsylvania State Route 328 with two bridges damaged. One of the greatest commercial losses (\$500,000) was afflicted on Ralph's Ford of Richmond Township as the automobile dealer lost 60 cars. There was also damage on the rail line to Corning, New York. A Middlebury Township house burned to the ground (\$90,000) as fire fighters were forced to take 15 miles of detours. About 130 am EST a man and his son were injured in Clymer Township when flood waters on Pennsylvania State Road 349 flipped over their 1993 Ford Pickup three times. At about the same time, a 46-year-old woman's pickup stalled in flood waters while on Barber Hollow Road near Mitchell Creek. She exited the vehicle and attempted to walk home the rest of the way, but the surging flood waters swept her off the road. Her body was found at 7 am EST half a mile downstream from her pickup.

In Clinton County, two boys were rescued from Kettle Creek and treated for exposure. Mud slides closed Pennsylvania State Route 144 just south of Renovo. Flooding was also reported along Young Woman's Creek. A few other rural roads were also closed because of flooding. In Union County, the flooding of Buffalo Run Creek in Mifflinburg closed several roads. Similarly to Clinton County, a few rural roads were also closed because of flooding. Farther south in the Susquehanna Basin, four youths had to be rescued from the swollen, but not flooding, Conewago Creek around noon of

### PENNSYLVANIA, Eastern Cont'd

the 18th in York County. (F46O)

<b>Lycoming County</b>	18 20	1400EST- 0000EST	0	0	?	?	Flood
Luzerne County	19 21	0300EST- 1700EST	0	0	?	75K	Flood
Northumberland	19	0400EST- 1000EST	0	0	?	?	Flood

The heavy rains from the remnants of Tropical Storm Be ryl caused considerable within bankfull rises along the Main Stem and West Branch of the Susquehanna River. In a couple of places, the rivers did exceed their banks. In Luzerne County, there was flood damage to crops at 15 to 20 farms along the Main Stem of the Susquehanna River from Shickshinny to Harding. Plantville was the hardest hit area. Crop damage was estimated at \$75,000.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pers	ber of ons Injured	Estii Dar Proper	nated nage ty Crops	August 1994
	(Lyc was (Nor 19th of a f and debri were	oming Count back to ban thumberland and receded to oot above bat the Watsonto s caused the s	y) at 200 pkfull 24 h County) a bankfull ankfull, it wo wan River econd wor	om EST or ours later. at 4 am ES at 10 am Es vas high er Bridge. F st damage	the 18 The ri T on the ST that the cough to the cough to the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough the cough	th. It can be the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	crested to reach to reach the cre g. Alth Pennsy ream, the marine	at 20.5 fined its fined its fined at I hough the vania She combain Shi	Stage (17 feet) in Montgomer y Seet at midnight on the 19th and lood stage of 19 feet in Milto n 19.25 feet at 715 am EST on the the river crested only one-quarter State Route 405 north of Milton bination of high water and rive r kellamy State Park. Four docks water capsized or were damaged
Clinton County Mackeyville Tamarack	20	1610EST			0	0	?	?	Thunderstorm Winds
1 amai ack	A lan	rge tree was l was also blov	blown ove vn down a	r by a seve cross Penr	ere thui isylvan	ndersto ia State	rm on l Road	Helpmar 144 in T	Road in Mackeyville. A large Camarack.
Lancaster County NW Portion	22	0800EST- 1530EST			0	0	?	?	Flood/Flash Flood
	enou abov	gh to send the	Little Chice at 9 am I	ckies Creek EST and fo	above	flood s	tage in	Mount	ne morning of the 22nd and was Joy. The creek crested two feet s. One car became stuck in the
Bucks County 3 SE Yardley	22	1610EST			1	0	?	?	Rain/Wind
	a roa auto	d near the Riv	er and Fer n by a 38-	ry Road in year-old w	tersecti	on in L	Lower N	Makefiel	bund 30 mph toppled a tree onto d Township. Unfortunately, an t time and she was crushed an d
Bucks County SE Portion	22	1630EST- 2330EST			0	0	?	?	Flood/Flash Flood
	the N creel signi	leshaminy Cı k crested at ficant damage	reek in Lai 10.3 feet was repor	nghorne. I at 8 pm l ted. Farthe	Flood st EST an er west l	age of d was betweer	9 feet v back v 1 3.8 an	was reac vithin b d 4 .8 in	24 hours caused the flooding of hed at about 430 pm EST. The ankfull by midnight EST. No ches of rain fell within 24 hours was reported.
Clinton County Lock Haven	25	1610EST			0	0	?	?	Hail (0.75)
Countywide	25	1645EST- 1815EST			0	0	?	?	Flood/Flash Flood
PENNSYLVANIA	, Eas	tern Cont'	d						
		heavy rain mantown Ro		ne flooding	g and o	closure	of Pe	nnsylvaı	nia State Routes 150 and 664
Union County Weikert	25	1700EST			0	0	?	?	Thunderstorm Winds
Ti's a County	Tree	s were uproo	ted in Wei	ikert.					
Tioga County 8 NE Wellsboro N Portion	25 25	1815EST 1830EST-			0	0	?	?	Hail (0.75)
Bradford County	20	2030EST			0	0	?	?	Flood/Flash Flood
NW Poriton	25	1854EST- 2200EST			0	0	?	?	Flood/Flash Flood
	Thun	derstorms wit	th very hea	vy rain (ar	ound 2	inches	) cause	d flash f	looding of roads and streams in

Location	Date	Time Path Path Local/ Length Width Date Standard (Miles) (Yards)		Per	nber of sons Injured	Estimated Damage d Property Crops		August 1994  Character of Storm		
	Tov	vanda Townsh	ins in Bra	dford Cou	ntv. Oi	ne fami	lv in Ri	dgebur	East Smithfield, Ridgebury an d y had to be evacuated. This was d Ridgebury Township.	
Union County W Portion	25	1900EST- 1930EST			0	0	?	?	Flood/Flash Flood	
	Thu		with heavy	y rain caus	sed low	land ar	nd roady	way flo	oding in the western part of the	
Perry County Duncannon	25	1915EST			0	0	?	?	Thunderstorm Winds	
	Tre pow	es were uprover, mainly in	oted in Do the Newp	uncannon. ort area.	About	5,000	Pennsy	lvania l	Power and Light customers los t	
Tioga County Lawrenceville	25	1930EST			0	0	?	?	Thunderstorm Winds	
	Tree	es were knocl	ked down	in Lawren	ceville.					
<b>Clinton County</b>	25	1931EST- 2230EST			0	0	?	?	Flood/Flash Flood	
	Thu	inderstorms w	ith heavy	rain produ	iced dra	inage f	flooding	throug	hout the county.	
Tioga County NW Portion	25	2000EST- 2230EST			0	0	?	?	Flood/Flash Flood	
	Tor	rential downpo	ours during	thundersto	orms for	ced the	evacua	tion of	several persons near Sabinsville.	
Cumberland County Newville Middlesex	25 25	1955EST 2010EST			0	0	?	?	Thunderstorm Winds Thunderstorm Winds	
	Sev		rms in Ne	wville and	Middle	esex up	rooted t	rees. O	ne fell on a house in Middlesex.	
<b>Cumberland County</b>	25 26	2200EST- 0100EST			0	0	?	?	Flood/Flash Flood	
	Thu		with very	heavy rair	produ	ced sig	nificant	poor d	rainage flooding throughout the	
York County Chanceford	25	2220EST			0	2	50K	?	Lightning	
	old inha	mother and he	r four-year mother ha	:-old son w	ere inju	red in tl	he fire, i	bût surv	y destroyed a trailer. A 34-year- vived. The child suffered smoke ge to the trailer was estimated at	
PENNSYLVANIA	, Ea	stern Cont	'd							
Tioga County Lawrenceville	27	1340EST			0	2	?	?	Lightning	
	A 2 rode	9-year-old m eo in Lawrenc	an and a lee Townsh	4-year-old nip. Two l	d child norses v	were st	ruck, in so struck	jured and ki	nd hospitalized by lightning at a illed by lightning.	
Luzerne County Mountaintop	27	1450EST			0	0	?	?	Hail (1.00)	
	Din	ne- to quarter-	-size hail f	fell in Mou	ıntainto	p. The	hail ac	cumula	ted several inches.	
Wayne County Honesdale	27	1510EST			0	0	?	?	Thunderstorm Winds (G65)	
	cust tool	omers. The w	orst dama; ty pole an	ge occurred	l on Coi	ırt Stre	et when	an upr	sulted in power outages to 1,500 rooted tree destroyed a sidewalk, se across the street. Wind gusts	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Dai	mated nage tv Crops	August 1994
						J	•		
Lackawanna County Fleetville	27	1520EST			0	0	?	?	Thunderstorm Winds
	Tree	es and wires	were knoc	ked down	along I	Pennsyl	vania S	tate Ro	ute 107 in Fleetville.
Lycoming County Williamsport	27	1524EST			0	0	?	?	Hail (1.00)
	Dim inch	ne- to quarte es per hour,	r-size hail delayed th	fell in Wi e Little Le	lliamsj ague V	ort. II Vorld S	n additi eries fo	on heav	y rain, falling at the rate of two
Northampton County		4 60 - 100							
Wind Gap	27	1605EST			0	. 0	?	?	Thunderstorm Winds
	Dan Nor	naging wind g thampton Co	usts topple unty.	d trees and	power	line s ir	the W	ınd Gap	and Plainfield areas of northern
Columbia County	25	1.C20ECT			0	0	0	0	II. 4 (1 00)
Bloomsburg Union County	27	1629EST			0	0	?	?	Hail (1.00)
Lewisburg	27	1630EST			0	0	?	?	Thunderstorm Winds
N 4 G 4	Tree	es were uproc	oted in Lev	wisburg.					
Northampton County Bethlehem	27	1630EST			0	0	?	?	Thunderstorm Winds
	Hell lost	ertown. Aboı	ut 16,000 N I the Aller	Aetropolita ntown Met	n Edisc ropolita	on and i an Area	2,180 P ı. Heav	ennsylv v rain a	quently wires in Bethlehem and vania Power and Light customers also caused the collapse of a roof omeless.
Columbia County Catawissa 5 S Berwick	27 27	1640EST 1650EST			0	0	?	?	Thunderstorm Winds Thunderstorm Winds
	Tree	es were uproc	oted in bot	h Beaver 7	Townsh	ip and	Catawi	ssa.	
Chester County	27	1015ECT			0	7	9	9	T inhanin a
2 N Oxford	27	1815EST	romo stanzals	مسط اسانیس	0	7	? . in I or	?	Lightning
	fami	ly reunion. I they were	Lightning	apparently	struck	a tree a	and ther	bounc	ford Township while attending a ed from it to the party tent under
Perry County Ickesburg	27	1927EST			0	0	?	?	Thunderstorm Winds
renessurg		es fell onto w	ires along	Boots Hol					Thunderstorm vv mas
PENNSYLVANIA			_	20013 110.	.10 // 11	,		. 5.	
Philadelphia County			· u						
Philadelphia	27	2130EST			0	0	?	?	Thunderstorm Winds
	_		were rippe	ed off by the	ne wind	l in nor	thweste	ern parts	s of Philadelphia.
PAZ037-038-041- 042-045-046-049> 053	All ]	Month							Excessive Rain
	ten v	vettest, if not	the wette	st, August	on reco	ord in th	he uppe	r and m	heavy rain resulted in one of the hiddle Susquehanna River Basin. 8th wettest August on record.
PAZ060>062-067>		Season					-		Record/Excessive Heat
	In sr	oite of an Aus	gust with s	easonal te	mperat	ures, th	e metec	orologic	cal summer (June, July, August)

In spite of an August with seasonal temperatures, the meteorological summer (June, July, August) of 1994 was the hottest on record at Philadelphia International Airport with a mean temperature of 78.4 degrees. This surpassed the old record of 78.2 degrees set in 1993. By the last news account available, there were 23 heat related deaths in Philadelphia so far this year. Although other seasonal

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nui Pei Killed	mber of sons 1 Injured	Esti Da: Prope	mated mage rty Crops	August 1994 Character of Storm
	reco in A	rds were not s llentown wit	set across S h a mean t	outheast F emperatur	Pennsyle of 74	lvania, it l.1 degre	was o	one of th	e ten hottest summers on record
PENNSYLVANIA	, We	stern Con	t'd						
Butler County 12S Butler	02	1430EST			0	0	3	0	Flash Flood
	clos	low moving ed from floo te 8 was cov	oding. Peo	ple were s	strande	d on De	f rain nny R	in 90 m oad whe	inutes. Several roads had to be ere water was up to 3 feet deep.
Allegheny County Countywide Pittsburgh	02 02	1330EST 1430EST			0	0	0	0	Thunderstorm Winds Flood/Flash Flood
C		ge branches drainage.	were down	ned at seve	ral loc	ations ac	cross t	he count	ty. Many streets flooded due to
Centre County Countywide	02	1600EST			0	0	0	0	Flood/Flash Flood
	Sma	ıll stream flo	oding was	observed.					
Clearfield County Philipsburg	02	1600EST			0	0	0	0	Flood/Flash Flood
	Sma	ıll stream flo	oding was	observed.					
Crawford County Atlantic Fayette County	02	1617EST			0	0	0	0	Hail (1.75)
Labelle	02	1716EST- 1830EST			0	0	4	0	Flash Flood
	Fou num	r inches of erous reports	rain in an s of basem	hour caus ent floodir	sed rap	oid flood	ing of	small s	treams and roads. There were
Westmoreland Count Irwin	y 02	1730EST			0	0	2	0	Thunderstorm Winds
	Tree	es and power	lines down	١.					
Mifflin County Lewistown Decatur	02 02	1800EST 1815EST			0	0	2	0	Thunderstorm Winds Thunderstorm Winds
	Larg	ge tree brancl	nes and wi	res were d	owned				
PENNSYLVANIA	, We	estern Con	t'd						
Lawrence County New Castle	02	1920EST			0	0	0	0	Thunderstorm Winds
Franklin County Chambersburg	03	1700EST			0	1	0	0	Lightning
0	A 10	5-year-old gi	rl was inju	red by ligh	ntning	while sta	nding		itchen of her home.
Erie County Erie	04	1400EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ned, some o	on power l	ines.				
Warren County Youngsville	04	1515EST		-	0	0	4	0	Thunderstorm Winds
-	A tr	ee fell on a h	ouse.						
<b>Beaver County</b>	04	1730EST			0	0	2	0	<b>Thunderstorm Winds</b>
-	Tree	es were down	ned in Dau	gherty, Ce	nter, a	nd Potter	Town	nships.	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons	Esti Dai d Proper	mated nage	August 1994
								, , , , , ,	
Greene County Waynesburg Bedford County Saxton	04 12	1845EST 1730EST attning struck	o aburah h	towar	0 0	0 0	0 3	0 0	Thunderstorm Winds Lightning
<b>Huntingdon County</b>	Ligi	itilling struck	a church t	en tower.	Dailia	ge was	estima	ieu ai ș	3,300.
Saltillo Crawford County	12	1730EST			0	0	0	0	Hail (1.00)
2E Meadville	12	1815EST			0	0	3	0	<b>Thunderstorm Winds</b>
<b>7.</b> 6	Tree	es were down	ed.						
Erie County W Springfield	12	1820EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Larg	ge limbs were	downed i	n Springfi	eld Tw	p.			
PAZ001>005- 007>010-015	13	0800EST- 1400EST			0	0	0	0	Heavy Rain
Erie, Crawford, Warren, McKean, Me Forest, Elk, Cameron	ercer, , and	Venango,							
Clarion	of the total 080 Coo	nunderstorms v s over northw 0EDT on the	which train est Pennsy 13th to 0 at Greensy	ned east al ylvania rar 800EDT o ville, 4.23	ong the nged from on the l at Gar	e front on om thre 14th: 7 land, 3.	dumpin e to sev .10 incl	g heavy ven inch nes at C	as the focus for the development rain. Twenty-four hour rainfall les. Observed gage reports from bil City, 5.30 at Franklin, 4.95 a t 1 at Bradford, 3.76 at St. Marys,
Crawford County Countywide	13	0720EST- 1400EST			0	0	5	0	Flash Flood
	Floo of b	oding was wide asements wer	espread. S e also floo	everal roac oded.	ls were	closed	by sma	ll streai	m and street flooding. A number
Mercer County Countywide	13	1100EST- 1400EST			0	0	5	0	Flash Flood
	Floo base	oding was wid ement floodin	despread v g.	with many	stream	is out o	f their l	oanks.	There were numerous reports o f
PENNSYLVANIA	, We	estern Cont	t <b>'d</b>						
Venango County Countywide	13	1100EST- 1400EST			0	0	5	0	Flash Flood
	Sage 300	e Run flooded 8. Rock slide	l at Oil Ci s closed R	ty flooding Loutes 300	g basen 8 and 3	nents. 3 8005 ne	Scrubgr ar Keni	ass Cre nerdell.	ek flooded a campground on Rt.
Huntingdon County Three Springs	13	1700EST			0	0	0	0	Hail (1.00)
Saltillo	13	1700EST 1700EST- 1900EST			0	0	4	0	Flash Flood
	A pı	rivate road wa	as washed	out and se			-		
Erie County	-								
Erie	13	1915EST es and limbs v	were down	ıed	0	0	3	0	Thunderstorm Winds
<b>Mercer County</b>	1100	os ana mnos v	, 510 down						

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons	Esti Da: d Prope	mated mage rty Crops	August 1994
			, ,				•		
Wheatland	13	1930EST			0	0	2	0	<b>Thunderstorm Winds</b>
	Tree	es and powerl	ines were	downed in	severa	al areas	across	the sou	thern part of the county.
Venango County Clintonville Erie County	13	2030EST			0	0	0	0	Thunderstorm Winds
Countywide	13 14	2050EST- 0415EST			0	0	4	0	Flash Flood
	in fl	eral thundersto ooded streets, ater treatment	small strea	ams and so	en 2 to ome bas	4 inchesements	es of rai s. Floo	in in sev ding res	reral different locations resulting ulted in an estimated \$35,000 to
Venango County			1						
Oil City	13 14	2350EST- 0200EST			0	0	0	0	Flood/Flash Flood
	Stre	am flooding	observed.						
Erie County	4.4	0000000				0	•	0	
Corry	14 Trac	0320EST	ad sama	on nouver 1	0 inas	0	3	0	Thunderstorm Winds
Elk County	Tree	es were down	ed, some (	on power i	mes.				
St. Marys	14	0714EST			0	0	4	0	Flood/Flash Flood
	Seve	eral roads and	l basemen	ts were flo	oded.				
Elk County Ridgway	14	1100EST- 1400EST			0	0	0	0	Flood
	The	Cameron Riv	er at Ridg	gway creste	ed just	above i	its 16-f	oot floo	d stage.
Cameron County Countywide	18	0001EST			0	0	0	0	Flood/Flash Flood
	Sma	all stream floo	oding was	observed.					
Potter County Countywide	18	0030EST			0	0	4	0	Flash Flood
	Seve	eral cars and	homes we	re flooded	due to	stream	floodi	ng.	
Clearfield County Countywide	18	0300EST			0	0	0	0	Flood/Flash Flood
PENNSYLVANIA	, We	estern Con	t'd						
	Sma	all stream floo	ding was	observed.					
Centre County Countywide	18	0330EST			0	0	0	0	Flood/Flash Flood
	Sma	all stream floo	ding was	observed.					
Clinton County Countywide	18	0400EST			0	2	5	0	Flash Flood
·	Renof do	ovo, Kettle Cr	eek and th for a time o	ie Ole Bull	State 1	Park we	ēre eva	cuated.	mud slide. Low lying areas a t South Renovo Borough was out were rescued from Kettle Creek
Cameron County Driftwood	18	0801EST			0	0	0	0	Flood/Flash Flood
	Rou		rling Run 1	near the Di					mahoning Creek was closed due

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Dai I Prope	mated mage rty Crops	August 1994
Centre County Howard	20	1600EST			0	0	2	0	Thunderstorm Winds
	Tree	es and wires	were down	ed across	Route	26 near	the Ba	ld Eagle	e State Park.
Clinton County Tamarack	20	1610EST			0	0	0	0	Thunderstorm Winds
	A tr	ee fell across	Route 14	4.					
Potter County Galeton	20	1615EST			0	0	0	0	Thunderstorm Winds
Venango County Wesley	25	1430EST			0	0	0	0	Hail (1.75)
Butler County Mars	25	1555EST			0	0	0	0	Thunderstorm Winds
Clinton County Lock Haven Countywide	25 25 25	1610EST 1645EST			0	0	0	0	Hail (0.75) Flood/Flash Flood
County wide		oding was ob	sarvad alo	na Pouta 1	Ū	Ü	-	-	
Washington County	1.100	Juling was our	serveu aror	ig Koute i	50 and	Germa	iiitowii	Noau (C	J04).
Washington County Mt. Pleasant	25	1650EST			0	0	3	0	Thunderstorm Winds
	Tree	es were down	ed. Minor	damage v	vas dor	ne to on	e home	when a	a tree limb put a hole in the roof.
Centre County Woodward	25	1900EST			0	0	0	0	Flood/Flash Flood
		or flooding v	vas observ	ed.					
Juniata County	1,111	.01 110001119	. 45 55501 .						
Thompsontown Clinton County	25	1915EST			0	0	0	0	Thunderstorm Winds
Countywide	25	1931EST			0	0	0	0	Flood/Flash Flood
	Sma	all stream flo	oding was	observed.					
Allegheny County Plum	25	1750EST			0	0	4	0	Thunderstorm Winds
1 Iuiii		n blown apar	t Trace of	nd nower 1		-	•	U	Thunderstorm winds
Westernander J. Country		ii bibwii apai	i. Tiees ai	iu powei i	ines do	wii.			
Westmoreland County Murrysville	25	1800EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Tree	es and power	lines dowr	۱.					
PENNSYLVANIA	. We	estern Con	t'd						
	,								
Indiana County 2S Indiana Expetts County	26	1549EST			0	0	0	0	Hail (0.75)
Fayette County Countywide	27	0800EST			0	0	0	0	Flood/Flash Flood
	Sma	all stream flo	oding was	observed.					
Westmoreland County Countywide	27	0800EST			0	0	0	0	Flood/Flash Flood
	Sma	all stream flo	oding was	observed.					
Elk County Countywide	27	1455EST	· ·		0	0	4	0	Flood/Flash Flood
Sourcy with			no was oh	served at S			all stres		ding was reported countywide.
Warren Caunty	Dasi	cincin Hoodii	ng was out	oci ved at S	i. ivial	ys. Sille	an succ	4111 11UU(	ang was reported county wide.
Warren County Countywide	27	1512EST			0	0	0	0	Flood/Flash Flood
	Just	over three i	nches (3.2	(0) of rain	fell in	2 hour	s resul	ting in	small stream and poor drainag e

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Killed	nber of sons	Esti Da I Prope	mated mage rty Crops	August 1994
	floo	ding.							
Jefferson County Punxsutawney	27	1606EST			0	0	0	0	Hail (0.75)
Clearfield County Curwensville	27	1610EST			0	0	0	0	Hail (1.75)
Lawrence County New Castle	27	1700EST			0	0	0	0	Hail (0.75)
Mifflin County 8W Lewistown	27	1850EST			0	0	0	0	Hail (1.25)
Allegheny County South Hills West Mifflin	27 27	1900EST 1900EST-			0	0	3	0	<b>Thunderstorm Winds</b>
vv est minim	21	2100EST			0	0	5	0	Flash Flood
	hour Linc pull	rs resulted in f coln Place, pe	looding.   ople were	Streams we trapped i	ere out n their	of thei cars by	r banks the rai	and se	lin, over 3.00 inches of rain in 2 veral roads were impassable. At ing water. One family had to be pavement was buckled.
Westmoreland County Vandergrift	27	1930EST			0	0	0	0	Hail (0.75)
Countywide	27	1930EST- 2130EST			0	0	0	0	Flood/Flash Flood
	Sma	ll stream and	poor drai	nage flood	ling wa	ıs obser	ved.		
Venango County Centerville	27	2000EST			0	0	0	0	Small Stream Flooding
	In P	inegrove Tow	nship, a r	oad was c	losed b	y by a f	flooded	stream	
Crawford County Meadville Meadville	28 28	1420EST 1506EST-			0	0	5	0	Thunderstorm Winds
Conneaut Meadville	28 28	1645EST 1506EST 1520EST			0 0 0	0 0 0	4 2 0	0 0 0	Flood/Flash Flood Thunderstorm Winds Hail (1.00)
	the (	Conneaut Lake	Park. In	Fallowfiel	ld Tow:	nship, 2	e people	e were i	closed. Trees were downed near njured when they drove their car ported countywide.
Warren County Sheffield	28	1540EST			0	0	0	0	Thunderstorm Winds
PENNSYLVANIA	, We	stern Cont	t'd						
Venango County Countywide	28	1540EST			0	0	4	0	Thunderstorm Winds
County wide		espread tree of	damage w	as observe	-				
Forest County	28	1540EST	2.5	95	0	0	9	Λ	Townsdo (F1)
Hastings Pigeon	28	1625EST	2.5	85	0	0	?	0	Tornado (F1) Thunderstorm Winds
	from 15 s dow	n Hastings Rur summer hom	n to just no es were d	orth of Lyndamaged.	ch, Peni Five ca	nsylva n amps  w	ia, alor ere tota	ig Route ally des	Tionesta. The damage path was e 666. One permanent home and troyed. Hundreds of trees were as closed and extensive clean-up
Elk County Highland	28	1630EST			0	0	0	0	Thunderstorm Winds
Mckean County	Tree	es down along	Route 94	18.					

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons	Esti Da 1 Prope	mated mage rty Crops	August 1994 Character of Storm
Kane	28 Track	1630EST	inos dovem	Carranal	0	0	3	0 fallam	Thunderstorm Winds
Potter County Keating Summit	28	es and powerlines and	ines down	i. Severai	oads v	<b>0</b>	оскеа т <b>0</b>	oy ranen <b>0</b>	Thunderstorm Winds
<b>9</b>	Tree	es down acros	s Route 60	07.					
Cameron County Truman Butler County	28	1635EST			0	0	0	0	Thunderstorm Winds
Rattigan	28	1719EST			0	0	0	0	Thunderstorm Winds
Armstrong County Templeton	28	1750EST			0	0	0	0	<b>Thunderstorm Winds</b>
Indiana County Dixonville Cambria County Bornsboro	28 28	1830EST 1855EST			0	0	0	0	Thunderstorm Winds Thunderstorm Winds (G51)
Lake Erie Pennsylvania Waters	29	1530EST- 1640EST			0	0	0	0	Waterspouts
waters	A n kno	umber of wat wn landfall or	erspouts v touchdov	were repor	ted off	shore a	nd seve	eral cold	l air funnels near the shore. No
RHODE ISLAND									
Providence County Providence Cranston	05	1245EST- 1315EST			0	0	5	0	Lightning
Kent County W. Warwick	05	1720EST			0	0	3	0	Lightning
Providence County Cranston	05	1730EST			0	0	3	0	Lightning
	In P kno sing star	rovidence, light cking the chiral the chiral the chiral the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the chiral that the ch	ntning structure off a see and de e attic of a	ck two buil a Brown U stroyed a an apartm	ldings c Jnivers barn. I ent bui	ausing a ity buil In West Iding.	a fire the ding. Warw	at burne In Crans ick, ligh	ed the upper floor of a house and ston, lightning started a fire in a atning blew a chimney apart an d
Kent County Coventry	13	1730EST	.5	50	0	0	?	0	Tornado (F0)
RHODE ISLAND	to H	loward Avenue	ouched do e. Residen	own along its reported	a line seeing	near Ho the fur	pe Fur	nace Ro lany tree	and to Clarke Road to Oak Street es were uprooted and three poles
	snaj	oped off.							
Providence County Scituate	13	1730EST- 1745EST			0	0	?	0	Thunderstorm Winds
	The	tops of many	trees wer	e sheared	off and	l poles v	were re	ported k	knocked down.
SOUTH CAROLI	NA								
Sumter County Shaw Field	01	1253EST	Short	Narrov		0	0	0	Thunderstorm Winds
Orangeburg County	Sha	w Field Army	Airforce	Base repo	orted wi	ind gusi	ts to 58	knots.	
Cordova County	01	1530EST			0	0	5	0	<b>Urban Flooding</b>
<b></b>	Hea	vy rains prod	aced the w	vorst stree	t floodi	ing in n	nany ye	ars in C	fordova.
Darligton County Darlington	01	1607EST			0	0	4	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons	Esti Da d Prope	imated mage rty Crops	August 1994
Colleton County	Hig	hway Patrol re	eported po	ower lines	down i	n Darli	ington.		
Colleton County 14 NW Walter- boro	01	1840EST	0.1	25	0	0	3	0	Tornado (F0)
5010	Tor	nado blew dov	vn trees,	damaged r	oof of	farm bu	iilding,	several	cars and farm equipment.
Sumter County Shaw Field AFB	05	1235EST			0	0	?	0	Thunderstorm Wind
	Sha	w Field Air Fo	orce Base	reported v	wind gu	ist to 5	8 knots	during	thunderstorm.
Darlington Co, Darlington	05	1607EST			0	0	?	0	<b>Thunderstorm Wind</b>
	Pow	ver lines blown	n down in	Darlingto	n repo	rted by	Highw	ay Patro	ol.
Georgetown County Georgetown Kershaw County	05	1950EST			0	0	0	0	Waterspout
Lugoff	11	2000EST			0	0	4	0	Lightning
	Ligh dam	ntning hit the L nage. Power to	ugoff-Elg o more th	in High S an 900 ho	chool thusehold	nree tin Is was o	nes dur disrupte	ing a the	understorm causing considerable
Bamberg County 5 SSE Govan to 1 N Govan	16	1009EST- 1030EST	5	75	0	1	4	?	Tornado (F1)
	nort	nado touched d th of Govan. rturned and he	The torna	ıdo was uj	n of Hi o and d	ghways own ma	s 64 and any tim	d 301, n	noved north northwest to slightly ing trees. One mobile home was
Orangeburg County Neese	16	1120EST- 1125EST	.07	50	0	0	4	?	Tornado (F1)
	Tor	nado downed	trees and	power line	es at No	eese.			
Lexington County Pelion	16	1155EST- 1200EST			0	0	0	0	Funnel Cloud
Lexington County 3 SE Gilbert	16	1200EST- 1202EST	0.06	50	0	0	?	?	Tornado (F2)
SOUTH CAROLI	NA (	Cont'd							
Lexington County Edmund	16	1216EST	0.5	30	0	4	0	0	Tornado (F0)
Dumum	Tor	nado observed	as it tou	ched down	n and d	amageo	d trees a	and hom	ne in southeast Edmund. It lifted lamaged pine forest immediately
Lexington County 5 S of Lexington to Red Bank	16	1227EST- 1230EST	2	25	0	0	?	?	Tornado (F2)
	Tor inter line	rsection. It mo	hed the r ved north	orth porti ward and	on of a	a mini- ned thro	wareho ee cars	ouse cor in Redb	nplex near the SC602 and SC 6 ank, blew down trees and power
Lexington County 3 SSE Lexington to Secret Cove,	16	1235EST- 1250EST	8	440	0	40	7	?	Tornado (F3)
Lake Murray	Tori Maj	nado touched d or damage occ	own near urred to th	intersection e Glassma	n of SC aster fa	C311 an	nd SC24 t the int	44 3 mil tersection	es south-southeast of Lexington. on of SC6 and Interstate 20. The

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	Number of I Persons Killed Injured Pro		mated mage rty Crops	August 1994
	torn	ado from tha	t point w	as mostly	on the	e groui	nd as it	moved	through east and north central
	beca Lake note were elec pow	ame more inte e Murray shore d in the Old Fo e damaged, ma etric substation	ense with  The torn  brbes Road  any busin  s were da  le were in	another an ado appar area on the esses, sev amaged ir jured. Th	rea of sently dine northereal characterial characterial characterial characterial contacterial c	evere of ssipated ern shourches gton C do was	lamage d over L ore of L and pul ounty v s observ	in the S ake Mu ake Mu blic buil vith 15,(	ikard Nursing home. The stor modernet Cove area along the sout hour ay although strong winds were rray. Approximately 200 homes ldings were also damaged. Five 2000 customers without electrical many people from the time it first
Richland County 1 SE McEntire Airport	16	1230EST- 1237EST	2	50	0	0	?	?	Tornado (F0)
		nado was up a ted but, no tou				king do	own tree	es and p	ower lines. A funnel cloud was
Lexington County 3 SW Columbia Airport	16	1253EST- 1310EST	0.1	100	0	0	?	?	Tornado (F0)
•	the (	Columbia Airpo	oud observort. The to	ornado tou	AA Con	trol To own bi	riefly in	a wood	nal Weather Service personnel at led area 3 miles southwest of the les northwest of the Airport as a
Richland County 1 N Balentine	16	1318EST- 1322EST	1	75	0	0	?	?	Tornado (F1)
Newberry County Peak	16	1332EST- 1334EST	0.5	50	0	0	· ?	· ?	Tornado (F1)
	Tori	nado took dow	n trees ar	d power l	lines an	d dama	aged roo	ofs to so	ome homes.
Lexington County 4 S Lextington	16	1335EST- 1337EST	0.3	75	0	0	?	?	Tornado (F3)
	Tori	nado complete	ly destroy	ed a squa	re stick	frame	home.		
Fairfield County Strother to Dawkins	16	1343EST- 1345EST	0.5	50	0	0	?	?	Tornado (F0)
	Tori	nado touched o	down in a	rural area	a taking	out tre	ees.		
SOUTH CAROLI	NA (	Cont'd							
Kershaw County Near Liberty Hill	16	1400EST- 1402EST	0.08	50	0	0	?	?	Tornado (F0)
	Tree	es and power l	ines blow	n down.					
Chester County SE Portion	16	1430EST			0	0	?	?	Hail (0.75) Thunderstorm Winds
	Larg	ge hail and thu	nderstorn	n winds re	ported	at Ricl	ıburg.		
Newberry County 2 E Prosperity	16	1431EST			0	0	?	?	Thunderstorm Winds
	Lim	bs and large tr	ee blown	down.					
Greenwood County Ware Shoals Anderson County	16	1440EST	0.1	30	0	0	4	0	Tornado (F0)
5 NE Anderson	16	1500EST			0	0	0	0	Funnel Cloud

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estin Dan Propert	nated nage y Crops	August 1994 Character of Storm
Union and Spanter	Seve	eak tornado to eral trees and red northwest	power line	es were do	owned a	and a ro	of of a	shed w	ounty border near Ware Shoals. vas blown off. The parent storm erstate 85.
Union and Spartan- burg Counties Santuck to Monarch to Jonesville to 2 S Cowpens	16	1450EST- 1600EST	30	250	0	0	5	?	Tornado (F3)
2 B Cowpens	imm inter betw initi cros Sant	nediately and rmittent grou- veen areas of a ally, and the s sed into Spar	followed nd contact lamage. I torm inter tanburg C ed, a station	it as it cur of about The path v sity gradu ounty nea onary vehice	rved no 30 to 4 width grually war Pacol cle was	orth to r 10 perce radually eakened let Mill	northwe ont but of dimin of to F2 of at 154	est throuthere wished to and the 45EST.	otters engaged the storm almost 19th the County. The storm had as not a great deal of separation 10th about 50 yards from 0.75 mile on to F1 at Pauline. The tornado A well constructed home near 1 and other homes and structures
Union, Spartanburg, Cherokee Counties Carlisle to 5 SW Lockhart to 5 NE Jonesville to 2 S Cowpens	16	1500EST- 1622EST	30	150	0	0	5	?	Tornado (F1)
2 S 6 6 11 PV 11 S	3 mi as tl occu were hom minu 160	les east of the first tornactured around Code damaged - actes and mobile attention or so in an office of the code	first storm  Io and wa arlisle who arlisle the chomes. A open field o Spartant	and just a s on the g ere the roce end of its t At Cowpe just before ourg Coun	few midround a pround a pround a track at track at ns, one e it dissect at 16	inutes la about 20 restaura c Cowpe residen sipated. 520EST	ater. To to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the second to 30 of the seco	his torn percent remove ere near ned the ornado o	ove. It moved along a track 2 to ado was not as large nor intense to fit the time. The most damage and and homes and mobile homes rly \$80,000 damage was done to tornado become stationary for a crossed into Cherokee County at the able to follow both the above
Fairfield County 2 S Fairfield County Airport	16	1600EST	radnaga Di	raatar ran	0 orted to	0	?	?	Thunderstorm Winds
Cherokee County 6 E Cowpens	16	1656EST- 1702EST	3	75	ortea ti	ees dov	vn 2 m: 5	nes sou	th of County Airport
SOUTH CAROLI	NA (		3	73	U	U	3	•	Tornado (F1)
	Othe		was limite	ed to trees,	powerl				a large well-constructed home The tornado moved northwest
Cherokee County Blacksburg to 4 NNW Blacksburg	16	1736EST- 1745EST	4	100	0	0	5	?	Tornado (F2)
	and		nto North	Carolina.	The vo	ortex wa	as clear	ly visib	nurches. It crossed Interstate 85 le to many people in the area as
Union Cherokee Coun Lockhart to 5 NW Lockhart to	nty 16	1805EST- 1820EST	10	150	0	1	5	?	Tornado (F2)
10 NW Lockhart	The brick at 13	tornado struck mobile home k homes were	near Locl was pick virtually d	khart when ed up with estroyed i	re a wo h a woi in the s	man wa man and ame are	as injur d son ir a. The	ed when side an tornade	n a mobile home was destroyed. Id tossed about 100 yards. Two to crossed into Cherokee County royed and some homes severely

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Kille	nber of sons	Da	mated mage rty Crops	August 1994
	Dan Cou	nage from the a nty, near \$90,	bove torn 000 in Sp	adoes exce artanburg	eded \$8 County	300,000 , and le	) in Che	erokee C n \$10,00	County, about \$600,000 in Union 0 in Greenwood County.
Newberry County 5 NNW Chapin	16	1455EST			0	0	?	?	Thunderstorm Winds
	Tree	es blown down	near hig	hway 176					
Fairfield County 9 NE Ridgeway	16	1530EST- 1533EST	0.3	50	0	0	?	?	Tornado (F2)
	Torr Roc	nado blew dow ky Point Road	n large tre l.	ees and ripp	ed a ro	oof and	rafters	off a ho	me at intersection of SC101 and
Fairfield County 2 S Winnsboro Airport	16	1530EST- 1533EST			0	0	?	?	Thunderstorm Winds
York County W Portion	16	1535EST			0	0	?	?	Thunderstorm Winds
		nerous trees de	own betw	een Hicko	rv Gro	ve and	Smyrna	1	
Fairfield County 8 SSW Winnsboro	16	1644EST- 1646EST	0.06	100	0	0	?	?	Tornado (F0)
	Tori	nado touched	down at S	SC54 and S	C269	and too	k out tr	ees	
York County 4 S York	16	1650EST- 1652EST	0.08	50	0	0	?	?	Tornado (F0)
	Tori	nado struck ne	ar highw	av SC321	and da	maged :	an area	of trees	, ,
Chester County 7 W Chester	16	1755EST- 1758EST	0.25	75	0	0	?	?	Tornado (F1)
	Tori	nado touched	down nea	r Woods F	erry R	oad bet	ween h	ighways	s 9 and 72 blowing down trees.
Greenville, Pickens, and Oconee Counties N Portion	16	2000EST			0	0	?	?	Flood
SOUTH CAROLI	NA (	Cont'd							
Greenville County N Portion	17	0300EST			0	0	5	6	Flood
Pickens County NE Portion	17	0300EST			0	0	5	6	Flash Flood Flood Flash Flood
Oconee County N Portion	17	0300EST			0	0	5	?	Flood Flood Flash Flood
Spartanburg County Cherokee County Union County Anderson County	17 17 17 17	0300EST 0300EST 0300EST 0300EST			0 0 0 0	0 0 0 0	????	?	Flood Flood Flood Flood Flood
· · ·	D -:-	-£-11		r:1 G	D	1 4 . 4	_1_1 /	:	haa in tha Diadaaant anna 1841

Rainfall associated with Tropical Storm Beryl totaled 4 or 5 inches in the Piedmont area of the Upstate to 12 inches in the mountains. On top of heavy rain 1 to 2 days earlier, and with the we t season, this caused severe flooding in northern Greenville and Spartanburg Counties. The flooding along the Saluda River system north of Greenville was the worst in the past 60 years or more with damage in Greenville and Spartanburg Counties combined exceeding \$500,000. The Reedy River in Greenville reached 11 feet which is the lower range of moderate flooding. In Oconee Count y damage totaled about \$400,000.

	ъ.	Time Local/	Path Length	Path Width	Nun Per Killed	nber of	Estir Dan	nated nage v Crops	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	1 Proper	y Crops	Character of Storm
	wip Oco rain mou	ed out and cr nee County, V from Beryl)	ops were vestminste and later re was one	flooded. S r's water su nudslides a indirect d	Several pply w and flo eath ar	busine as conta oding o nd three	sses als aminate damage	o suffe d (this d highv	I destroyed. A few bridges were red extensive flood damage. I n actually started before the heavy ways and bridges leading into the people attempted to raft on hig h
Pickens County Pickens	19	1538EST			0	0	4	0	Hail (1.00) Thunderstorm Winds
Oconee County Salem Area	19	1600EST			0	0	?	0	Heavy Rain Mud Slides
Spartanburg County Reidville Moore	19	1604EST			0	0	?	?	Hail (1.75)
Greenville County 2 S of Simpson- ville	19	1645EST			0	0	?	0	Hail (0.75)
Spartanburg County Woodruff Greenville County	19	1650EST			0	0	?	0	Hail (0.75)
Mauldin	19	1653EST			0	0	4	0	Hail (0.75) Thunderstorm Winds
Greenville County Mauldin Laurens County	19	1700EST			0	0	5	0	Lightning
Fountain Inn	19	1700EST			0	0	?	?	Hail (0.75)
York County	sout were hail Hea in th	th through the e pushed over fell in some vy rainfall in t ne week.	upstate, i (partly be places, an	nteracting cause of th d in Mauld	with loe sogg lin - lig some	eft-over y grour ghtning ninor re	tropica nd as op struck a ecurrence	al air fr posed t and bur ce of th	along the mountains and move d om Tropical Storm Beryl. Trees to excessively high winds), large rned one business to the ground, e mudslide problem from earlier
4 NE Rock Hill	19 One	1800EST -inch hail at t	ha Vark (	County Aim	0	0	0	0	Hail (1.00)
	One	-men nan at t	ne roik c	Jounty And	JO11				
SOUTH CAROLI	NA (	Cont'd							
Charleston County 3 Isle of Palms Colleton County	20	0605EST			0	0	0	0	Waterspout
Seabrook Island and Edisto Beach	20	0812EST			0	0	0	0	Waterspouts
Richland County NE Columbia	21	1417EST			0	0	5K	0	Thunderstorm Winds
	Tree	es and large si	gns were	blown dow	n at T	wo Not	tch and	Beltlin	e Blvd.
Sumter County	21	1507EST			0	0	0	0	<b>Thunderstorm Winds</b>
Lee County Salem Church Road Area	21	1512EST			0	0	0	0	<b>Thunderstorm Winds</b>
Nuau Alta	Tree	es were down	ed on Sale	m Church	Road.				
Darlington County E Portion	21	1535EST			0	0	0	0	Thunderstorm Winds
	Tree	es were down	ed by thur	nderstorm v	winds i	n the ea	astern h	alf of t	he county.
Florence County N Portion	21	1525EST			0	0	0	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per	nber of sons	Estima Dama Property	ated age	August 1994
THE ALUM	Date	Statidato	UMILES	(Taids)	Killer	- пішен	Fropeny	CTOPS	Character of Storm
	Tree	s were downe	ed in the n	orthern ha	lf of th	e count	y.		
Spartanburg County Spartanburg	22	Unknown			1	0	0	0	Heat
Spartanourg		th caused by h	neat (M03	0)	1	v	U	U	ikai
York County Rock Hill	27	1651EST			0	0	10K	0	Thunderstorm Winds
NOCH IIII		s and power l	ines were	down in I	-	-	1011	v	Thunderstorm vymas
Cherokee County Gaffney	31	2000EST			0	0	4	0	Lightning
SOUTH DAKOTA									8
Pennington Co, Hill City SD	02	1640MST			0	0	0.3K	0	Lightning
			d a circui	t breaker,	-				ty for 2 1/2 hours.
Bon Homme Co, Springfield SD	03	1200CST			0	0	2.0K	0	Thunderstorm Wind
Springileid SD									(G58)
Hughes Co	Thu	nderstorm wir	nds uproo	ted trees a	nd blev	v down	some po	wer lin	es.
Hughes Co, Pierre SD	05	1300CST			0	0	1.0K	0	Lightning
	Ligh in a	tning struck a Department o	light pole. f Crimina	, causing a Il Investiga	power tions b	surge the suilding.	hat dam:	aged so	me radios and other equipment
Haakon Co, near Philip SD	06	1720MST-							
near 1 mmp 52		1825MST			0	0	?	?	Wild/Forest Fire
Comphell Co	Ligh	tning started	several pr	airie fires.					
Campbell Co, Herreid SD	06	2227CST			0	0	?	?	Hail(175)
Hutchinson Co, 6E Dimock SD	07	1753CST	?	?	0	0	1.0K	4.0K	Tornado(F0)
SOUTH DAKOTA	Cor	nt'd							
	A to	rnado damage	ed crops a	nd some f	arm ma	achinery			
McCook Co, Bridgewater SD 6SW Bridgewater SD	07	1800CST 1800CST			0	0	0	0	Hail(075) Hail(088)
Hutchinson Co, 10WNW Freeman SD	07	1815CST			0	0	?	?	Hail(175)
Turner Co, 4N Parker SD	07	1855CST			0	0	0	0	Hail(100)
Hand Co, 13NNE Miller SD 14W Miller SD	09	0210CST 0225CST			0	0	?	?	Hail(175) Hail(175)
Harding, Butte Cos	09	1600MST- 1730MST			0	0	3.0K	.01M	Wild/Forest Fire
	Ligh		several pr	airie fires,					eres of grassland.
Todd Co, Mission SD	09	1700MST- 1730MST			0	0	?	0	Thunderstorm Wind

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons	Estima Dama 1 Property	ited ige Crops	August 1994
						•		·	
Deuel, Hamlin Cos	09 10	2200CST- 1900CST			0	0	0.3M	?	(G52) Flash Flood
	vehi	h flooding was cles, washed at Hayti and n	out fencii	ng, and flo	oded s	ome ho	mes and	o slide busines	into ditches, damaged standing sses. About 7 1/2 inches of rain
Perkins Co, 10SW Bison SD	11	0300MST- 0400MST			0	0	1.0K	4.0K	Wild/Forest Fire
	Ligh	ntning started	several p	rairie fires	•				
Fall River Co, Hot Springs SD Oelrichs SD	11	1443MST 1546MST			0	0	1.0K ?	5.0K ?	Hail(175) Hail(175)
Haakon Co, 8W Philip SD	11	1710MST	1.0	50	0	0	0	0	Tornado(F0)
Jackson Co, 25SE Kadoka SD	11	1748MST	0.5	50	0	0	0	0	Tornado(F0)
Pennington Co, Rapid City SD	11	1815MST- 1900MST			0	0	0	0	Thunderstorm Wind
Meade Co, Piedmont SD	15	1400MST			0	0	.01M	?	(G52), Hail(075) Wild/Forest Fire
		tning started so						City, in	cluding a large fire that burned
Butte Co, Newell, Fruitdale SD	16	1630MST- 1715MST	-	·	0	0	0.1M	0.3M	Thunderstorm Wind (G65) Hail(175)
	caus		nage to a	van, and i					many tree limbs, one of which home. Hail caused widespread
SOUTH DAKOTA	A Coi	nt'd							
Meade Co, Ft. Meade, 10E Piedmont SD	16	1800MST- 1810MST			0	0	?	?	Thunderstorm Wind (G58) Hail(175)
Pennington Co, Rapid City SD	16	1815MST			0	0	1.0K	0	Thunderstorm Wind (G58) Hail(075)
	Thu	nderstorm wir	nds blew	down som	e trees	and pov	wer lines		X7
Pennington Co, Caputa SD	16	1900MST			0	0	0	0	Thunderstorm Wind (G52)
Shannon Co, Oglala SD	16	2010MST- 2030MST			0	0	?	0	Thunderstorm Wind (G62)

Charles Mix Co, 3W Platte, 2NE Lake 18

2140CST-

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estima Dama Property	ted ge Crops	August 1994 Character of Storm
Andes SD		2235CST espread hail ca				<b>0</b> nd shing			Hail(275) windows. The hail also caused
Roberts Co, 2SE New Effington	23	1600CST	?	?	0	0	1.0K	0	Tornado(F0)
	The	tornado uproc	ted trees	and dama	ged a co	orn plan	ter.		
Edmunds Co, Mina SD	25	1100CST- 1135CST			0	0	?	?	Wild/Forest Fire
	Ligh	tning started	a grass fir	e.					
Brown Co, 3NW Frederick SD	25	1130CST			0	0	0	0	Hail(075)
Turner Co, 2NE Marion SD	25	1500CST			0	0	2.0K	0	Thunderstorm Wind (G52)
	Thu farm	nderstorm wi nhouse.	nds dama	iged trees	and so	ome sm	all buil	dings,	and blew out a window at a
Meade Co, 2NW Piedmont SD 25E Piedmont SD	29	1505MST- 1547MST 1540MST			0 0	0	?	?	Hail(175) Thunderstorm Wind (G57)
Pennington Co, Box Elder SD 10E Wall SD	29	1536MST 1547MST			0	0	0 ?	0 ?	Hail(075) Hail(175)
Jackson Co, Cedar Pass SD	29	1710MST- 1730MST			0	0	?	?	Thunderstorm Wind (G53) Hail(175)

### TENNESSEE AUG 1994

Please refer to the second section of **Storm Data and Unusual Weather Phenonema** .

### TEXAS, Panhandle

Dallam County 5 N Dalhart	01	1947CST	?	?	?	?	Hail (2.75)
	Dim	ne- to golfball-size hail was i	reported by the	he Dal	lam Coi	inty Sh	eriff's Office.
Lipscomb County Lipscomb Armstrong County	07	1820CST	?	?	?	?	Hail (2.75)
Goodnight	07	1827CST	?	?	?	?	Hail (0.75)
Grayson County Carpenters Bluff Grayson County	07	1105CST	?	?	?	?	Thunderstorm Wind
Pottsboro	07	1125CST	?	?	?	?	<b>Thunderstorm Wind</b>
Grayson County Tom Bean Grayson County	07	1145CST	?	?	?	?	Hail (1.75)
Sherman	07	1150CST	?	?	?	?	<b>Thunderstorm Wind</b>
Randall County 12 E Canyon	19	1810CST	?	?	?	?	Hail (1.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nur Per Kille	nber of sons 1 Injured	Esti Dai Propei	mated nage ty Crops	August 1994
Randall County 11 E Canyon Hall County	19	1845CST			?	?	? 1.5	K Thu	understorm Wind (G60)
2 N Turkey	19	2130CST			?	?	? .02	2M	Lightning
	Stor limb grou	bs were also	roof off a broken. A	trailer just A mobile h	t west one w	of the er as struc	ntrance k by li	to Palo ghtning	Duro State Park. Several large in Hall County and burnt to the
Randall County 3 S Amarillo	19	1825CST			?	?	?	?	Thunderstorm Wind (G52)
Potter County 2 N Amarillo	19	1827CST			?	?	?	?	Hail (1.00)
Randall County 4 SW Amarillo	19	1835CST			?	?	?	?	Hail (0.75)
Potter County 3 NW Amarillo	19	1835CST			?	?	?	?	Thunderstorm Wind (G52)
Swisher County Tulia	19	1925CST			?	?	?	?	Thunderstorm Wind (G55)
D. LUG	in P	ds in Randall	vere recei	ved from tl	he Med	liVac F	light fo	r Life l	rvice employee, while the winds aeliport. Skywarn storm spotters
Randall County 4 NW Happy	23	1830CST			?	?	?	?	Hail (1.75)
110			ne NWS re	ported that	golfba	ll-size h	ail was	produc	eed by this thunderstorm in south
TEXAS, Northern									
Fannin County 5 N Savoy	07	1040CST			0	0	3	0	Thunderstorm Winds
o i v savoj		es were blow	n down at	Anthony (	-	-		Ü	
<b>Grayson County</b>						3,7			
Carpenters Bluff	07	1105CST			0	0	4	0	Thunderstorm Winds
	Tree	es and power	lines were	e blown do	wn by	thunder	storm v	winds.	
TEXAS, Northern	Con	ıt'd							
1 NW Denison 1 N Pottsboro 1 E Sherman Tom Bean 1 SW Sherman	07 07 07 07 07	1125CST 1125CST 1130CST 1145CST 1150CST			0 0 0 0	0 0 0 0	0 0 0 0 3	0 0 0 0	Thunderstorm Winds (G52) Thunderstorm Winds (G52) Thunderstorm Winds (G52) Hail (1.75) Thunderstorm Winds
	Tree	es were blow	n down on	to cars at a	a churc	h.			
Collin County Anna	07	1210CST			0	0	2	0	Thunderstorm Winds
	Larg	ge tree limbs	were blow	n down by	y high v	winds.			
McKinney	07	1230CST			0	0	2	0	<b>Thunderstorm Winds</b>
	A la	arge tree was	blown dov	wn at the M	<b>1cKinn</b>	ey Airp	ort.		
McKinney	07	1251CST			0	0	0	0	Flash Flooding
		sh flooding oc	curred at	Highway 7	5 and	Highwa	y 380 i	n McK	•
Frisco Plano	07 07	1305CST 1325CST			0	0	0	0	Hail (0.75) Hail (0.75)
Cooke County Lake Ray Roberts	07	1225CST			0	0	0	0	Thunderstorm Winds (G52)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nui Pei Killer	nber of sons	Esti Da Prope	imated mage rty Crops	August 1994
			(, <b>x 1 1 1 1 1 1 1</b>	, , , , , , , , , , , , , , , , , , , ,					
14 N Lindsay Muenster Valley View	07 07 07	1634CST 1655CST 1707CST			0 0 0	0 0 0	0 0 0	0 0 0	Hail (0.75) Hail (0.75) Hail (1.75)
Denton County Pilot Point 3 N Sanger	07 07	1230CST 1707CST			0 0	0	0	0	Thunderstorm Winds (G69) Hail (1.75)
Dallas County 1 N Richardson Richardson	07 07	1326CST 1330CST-			0	0	0	0	Hail (1.00)
Richardson	07	1340CST 1331CST			0	0 0	0	0	Hail (1.00) Flash Flooding
	Stre	et flooding oc	curred in	Richardso	n.				
Garland	07	1340CST			0	0	0	0	Hail (0.75)
Jack County 5 N Jermyn 5 N Jermyn	07 07	1510CST 1510CST			0	0	0 4	0	Hail (1.75) Thunderstorm Winds
Clay County	Win	d damage to t	rees and p	power line	s was 1	reported	by the	Channe	el 3 TV Station in Wichita Falls.
Bluegrove 5S Henryetta Deer Creek 6 NW Shannon	07 07 07 07	1335CST 1350CST 1407CST 1431CST			0 0 0 0	0 0 0 0	????	?	Hail (0.75) Hail (0.88) Hail (1.75) Hail (1.25)
Archer County Archer City 1 W Archer City 7 S Windthorst 9 S Windthorst 9 S Windthorst	07 07 07 07 07	1445CST 1500CST 1504CST 1505CST 1505CST			0 0 0 0	0 0 0 0	????	?	Hail (0.75) Hail (0.88) Hail (1.00) Hail (1.75) Thunderstorm Winds
<i>y</i>	Seve	ere thunderstor	ms across	Clay and A	Arche r	Countie	s prod	uced hai	l up to golfball size and isolated
Young County	Duri prod com dest	ng the afterno lucing widesp pletely destr royed. Agric	wer poles on and even oread hail oyed, 20 ultural los	ening of Au damage v percent of	rted do  gust 7  vith so  the pe	owned 9 th, seven me high ecan crop ted at \$6	miles re thun winds p was	derstorns. The	ns moved across Young County, peanut crop for the county was ed, and 200 acres of cotton was erty losses from wind and hail to
TEXAS, Northern	Con	, homes, and <b>t'd</b>	windows	was estima	ated at	\$2,000,0	000.		
1 SE Markley 6 NW Graham 3 S Graham	07 07 07	1510CST 1530CST 1540CST			0 0 0	0 0 0	? ? 2	?	Hail (1.75) Hail (1.75) Thunderstorm Winds
	Shin	gles were blo	wn off by	high wine	ds at F	ort Belk	nap Pa	ırk (3 S	Graham).
1 N Newcastle 3 S Newcastle 1 SW Graham Tarrant County	07 07 07	1550CST 1557CST 1610CST			0 0 0	0 0 0	???	???	Hail (2.75) Hail (1.75) Hail (1.75)
5 NW Lake Worth Village 3 W Benbrook	07 07	1552CST 1603CST			0	0	0	0	Hail (1.50) Hail (0.75)
	Dim	e-size hail oc	curred in	western Ta	arrant (	County 3	3 miles	s west of	f Benbrook on Interstate 20.
Lake Worth Village	07	1610CST			0	0	3	0	Thunderstorm Winds
	Win	d damage occ	curred at a	n apartme	nt com	plex roo	of from	high w	inds.
North Richland Hills	<b>07</b>	1610CST			0	0	3	0	Thunderstorm Winds
	Som	e aluminum	siding was	s blown of	t a hou	ise.			

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Per	nber of sons I Injured	Esti Dai Proper	mated mage rty Crops	August 1994
Euless	07	1620CST			0	0	3	0	Thunderstorm Winds
		er lines were	blown do	wn by thu			ds.		
Kennedale	<b>07</b>	1640CST			0	0	3	0	Thunderstorm Winds
4 777 4 79		s were blown	down by	thundersto			2	0	
1 W Arlington	07	1640CST		m darrim at	0 the int	0 	3 of L	0	Thunderstorm Winds
Johnson County	A la	rge biliboard	was blow	n down at	me mu	ersectio	on or Le	op 820	and the Mansfield Highway.
Johnson County Alvarado	07	1600CST			0	0	4	0	Thunderstorm Winds
	Stor	age buildings	, trees, an	d power li	nes we	re blow	n dowr	1.	
Hill County Itasca	07	1625CST			0	0	3	0	Thunderstorm Winds
	Pow	er lines were	blown do	wn by thu	ndersto	rm win	ds.		
Stephens County Crystal Falls Hubbard Creek Lake	07 07	1643CST 1655CST			0	0	0	0	Hail (1.25) Hail (1.75)
Harrison County	00	0120000			0	0	0	0	Tile al. Tile a 19 a c
Marshall	08	0130CST	.1 : M	11	0	0	0	0	Flash Flooding
Nagagadaahas Caunty	Kain	11a11 01 5.6 inc	enes in Mi	arsnan resi	uitea ir	i Hignw	vay 59	being ci	osed by high water.
Nacogodoches County Nacogodoches	08	0230CST			0	0	0	0	Flash Flooding
	Over	r 5 inches of ra ed by high wa	in caused iter. Som	street flood e flooding	ling and also o	d forced	d two ca at High	reeks ou hway 22	at of banks. Twelve streets were 6 and Highway 21.
Wichita County Burkburnett Archer County	14	1740CST			0	0	?	?	Thunderstorm Winds
7 WNW Archer	14	2015CST			0	0	?	?	Thunderstorm Winds
City TEXAS, Northern			rms the e	vening of	the 14t	h produ	iced are	eas of wi	ind damage over Wichita and
			ligh wind	s rinned th	ne roof	off of	a metal	buildin	g at Burkburnett, and ripped th e
	shin	gles off a root	f and caus	sed fence d	lamage	7 miles	s west-	northwe	st of Archer City.
Wichita County 5 NNE Wichita Falls	17	1820CST			0	0	?	?	Thunderstorm Winds (G61)
Clay County Byers Wichita County	17	1823CST			0	0	?	?	Thunderstorm Winds (G52)
3 E Wichita	17	1830CST			0	0	?	?	Thunderstorm Winds (G61)
Falls 2 E Burkburnett Clay County	17	1835CST			0	0	?	?	Thunderstorm Winds (G65)
Byers Henrietta	17 17	1837CST 1850CST			0	0	?	?	Hail (0.75) Thunderstorm Winds (G52)
Archer County 1.5 N Windthorst	17	1900CST			0	0	?	?	Thunderstorm Winds (G52)
Wichita County Wichita Falls Wilborger County	17	1910CST			0	0	?	?	Thunderstorm Winds
Wilbarger County 8 N Vernon Foard County	17	2025CST			0	0	?	?	Thunderstorm Winds (G65)
3 N Crowell Crowell	17 17	2045CST 2045CST	2.0	40	0	0	?	?	Thunderstorm Winds Tornado (F2)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti Da Prope	mated mage rty Crops	August 1994
Knox County Munday Munday Tx	17 17	2125CST 2130CST			0	0	4 ?	?	Thunderstorm Winds (G65) Thunderstorm Winds (G65)
	The	first storms i	noved acr	oss Archei	r, Wicł	nita, Wi	lbargeı	r, and Cl	g the evening hours of the 17th. ay Counties during the evenin g were downed in Wichita Falls.
		second area of Iunday in Kno							near Margaret in Foard County f storms.
	and	F2 tornado mo moved along royed in the	the leadir	ng edge of	th in th the sto	ne area i rms. At	near Cı t least 4	rowell. T 4 homes	This was most likely a gustnado, were either heavily damaged or
	Win and	ds estimated a homes were o	t 75 miles j lamaged b	per hour m	oved th	rough tl	he Mun	ıday area	a. A semi truck was blown over,
Montague County Bowie 5 NW Bowie	17 17	1915CST 1915CST			0	0	0	0	Thunderstorm Winds (G56) Hail (1.00)
Jack County 10 E Jacksboro Perrin	17 17	1945CST 2008CST			0 0	0 0	0 0	0 0	Thunderstorm Winds (G52) Thunderstorm Winds (G52)
Wise County Decatur	17	1945CST			0	0	3	0	Thunderstorm Winds
	Stro	ng winds dan	naged the	courthouse	roof.				
7 W Decatur 7 SW Bridgeport	17 17	1945CST 1950CST			0	0	0 5	0	Thunderstorm Winds (G65) Thunderstorm Winds
	At R	Runaway Bay	(7 SW Br	idgeport),	nine co	ondomi	nium u	nits were	e unroofed by high winds.
Paradise	17	2015CST			0	0	0	0	Hail (1.00)
Parker County Springtown Reno Weatherford	17 17 17	2015CST 2030CST 2054CST			0 0 0	0 0 0	0 0 4	0 0 0	Thunderstorm Winds (G61) Thunderstorm Winds (G65) Thunderstorm Winds (G52)
	Tree	es and power	lines were	blown do	wn by	high wi	nds.		
TEXAS, Northern	Con	t'd							
Aledo 1 S Aledo	17 17	2055CST 2058CST			0	0	0 3	0	Thunderstorm Winds (G61) Thunderstorm Winds
	Pow	er lines were	blown do	wn by high	n wind	S.			
8 E Weatherford	17	2145CST			0	0	3	0	Thunderstorm Winds
	At V	Willow Park arred, and thre	(8 E Wea ee small tr	atherford), ees were b	a larg lown c	e wood lown by	en sign thund	n was bl lerstorm	own down, minor RV damag e winds.
6 NE Weatherford	17	2145CST			0	0	3	0	<b>Thunderstorm Winds</b>
	A ba	arn was partia	lly unroof	ed by high	winds	3.			
Palo Pinto County Mineral Wells Hood County	17	2040CST			0	0	0	0	Thunderstorm Winds (G52)
Thorp Springs 10 N Granbury Granbury	17 17 17	2050CST 2105CST 2110CST			0 0 0	0 0 0	0 0 0	0 0 0	Thunderstorm Winds (G52) Thunderstorm Winds (G61) Thunderstorm Winds (G65)
Johnson County 1 W Joshua	17	2140CST			0	0	3	0	Thunderstorm Winds
	Tree	es were blown	down by	thundersto	orm wi	nds.			
Haskell County Haskell	17	2145CST			0	0	0	0	Thunderstorm Winds (G52)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nui Pei Kille	nber of sons	Esti Da I Prope	imated mage rty Crops	August 1994 Character of Storm
Somervell County Glen Rose	17	2155CST			0	0	0	0	Thunderstorm Winds (G52)
Erath County 12 S Stephenville	17	2215CST			0	0	2	0	Thunderstorm Winds
_	Lar	ge tree limbs	were blow	n down by	thund	lerstorm	winds	s.	
Jones County 1 W Stamford	17	2235CST			0	0	0	0	Thunderstorm Winds (G56)
Hamilton County Hico	17	2240CST			0	0	3	0	Thunderstorm Winds
	A c	arport was de	stroyed by	high wind	ls.				
Coryell County 1 W Gatesville	17	2315CST			0	0	4	0	Thunderstorm Winds (G55)
	The	roof of a chu	ırch was d	estroyed by	y high	winds.			
Grayson County Whitesboro	20	1420CST			0	0	0	0	Thunderstorm Winds
	A p	olice car was	blown off	the road b	y high	winds.			
6 E Collinsville	20	1600CST			0	0	3	0	Thunderstorm Winds
	Tre	es were blow	n down by	thundersto	orm wi	nds.			
Lamar County Lake Pat Mayse	20	1435CST			0	0	3	0	Thunderstorm Winds
	Car	npers were da	amaged, ar	nd trees we	re blov	vn dow	n by hi	gh wind	S.
Archer County Archer City	20	1450CST			0	0	?	?	Hail (0.75)
	Isol	ated severe th	nunderstor	ms near A	rcher C	City pro	duced o	dime siz	e hail.
Denton County Sanger	20	1537CST			0	0	4	0	Thunderstorm Winds
		es and power	lines were	e blown do	wn by	high wi	inds.		
TEXAS, Northern	Cor	ıt'd							
Aubrey	20	1613CST			0	0	3	0	Thunderstorm Winds
	Pov	ver lines were	e blown do	wn by high	h wind	s.			
5 SW Justin	20	1630CST			0	0	0	0	Thunderstorm Winds (G52)
Red River County Bogata	20	1600CST			0	0	3	0	Thunderstorm Winds
	Tre	es were blow	n down by	high wind	ls.				
Parker County			-						
Millsap Millsap	20 20	1604CST 1615CST			0	0	0 3	0	Thunderstorm Winds (G52) Thunderstorm Winds
миньир		es were blow	n down hy	high wind		v		v	Thunderstorm vymas
Wise County	110	es were brow	n down by	ingii wiiic					
Rhome	20	1620CST			0	0	3	0	Thunderstorm Winds
	Lar	ge tree limbs	and teleph	one poles	were b	lown do	own.		
Newark	20	1648CST			0	0	0 5	0	Thunderstorm Winds (G50)
Newark	20	1650CST	1.1		0			. ,	Thunderstorm Winds
The Control	Two	o mobile hom	ies and the	post offic	e were	unroof	ed by h	igh win	ds.
Titus County Talco	20	1625CST			0	0	3	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti Da: Prope	mated mage rty Crops	August 1994
	Tree	es were blow	n down by	high wind	s.				
Green Hill	20	1625CST			0	0	3	0	Thunderstorm Winds
	Tree	es were blow	n down by	high wind	s.				
<b>Mount Pleasant</b>	20	1640CST			0	0	3	0	Thunderstorm Winds
	Tree	es were blow	n down by	high wind	s.				
Morris County 2 SW Omaha	20	1631CST			0	0	3	0	Thunderstorm Winds
2 SW Omana		es were blow	n down ald	νησ a 1/4 m	-		_		Thunderstorm winds
Omaha	20	1650CST	n down arc	/lig α 1/ <del>+</del> li	0	0	3	0	Thunderstorm Winds
Omana		arn was dam	aged and t	rees were l	-				Thunderstorm winds
Daingerfield	20	1650CST	ugea, una t	rees were t	0	0	3	0	Thunderstorm Winds
Dumgernera		es were blow	n down by	high wind	-	v	J	v	indiacistoriii vviiids
<b>Tarrant County</b>		, , , , , , , , , , , , , , , , , , ,	n do wn oj						
Bedford	20	1650CST			0	0	3	0	Thunderstorm Winds
	Util	ity wiring wa	as blown lo	ose by hig	h wind	ls.			
Cass County Hughes Springs	20	1700CST			0	0	5	0	Thunderstorm Winds
rughes springs			were block	ed by fall	-		_		hed and roofs were damaged by
	falli	ng trees. Po	wer lines v	vere also b	lown d	own.	cars w	cre crus	ned and 10013 were damaged by
Linden	20	1720CST			0	0	4	0	Thunderstorm Winds (G56)
	Roo	fs were dam	aged and tr	ees were b	lown c	lown by	high v	winds.	
Avinger	20	1725CST			0	0	3	0	Thunderstorm Winds
	Tree	es were blow	n down by	thundersto	orm wi	nds.			
McLeod	20	1810CST			0	0	0	0	Thunderstorm Winds (G56)
TEXAS, Northern	ı Con	ıt'd							
Kaufman County 4 NW Terrell	20	1730CST			0	0	0	0	Thunderstorm Winds (G56)
Marion County 1 N Kelleyville	20	1732CST			0	0	3	0	Thunderstorm Winds
1 iv Keneyvine		es were blow	n down by	thundersto	-	-	3	U	Thunderstorm winds
Lake O' the Pines	20	1740CST	n down by	munacisc	0	0	3	0	Thunderstorm Winds
Luke of the Times		es were blow	n down by	thundersto			J	v	indiacistoriii vviiids
1 E Jefferson	20	1758CST	n down oj	tifuliation	0	0	3	0	Thunderstorm Winds
		es were blow	n down by	thundersto				-	
Smithland	20	1815CST			0	0	3	0	Thunderstorm Winds
		es were blow	n down by	thundersto	orm wi	nds.			
Harrison County Karnack									
Karnack	20	1812CST			0	0	3	0	Thunderstorm Winds
	Tree	es were blow	n down ne	ar the entra	ance to	Caddo	State I	Park.	
Tarrant County	21	1615CST			0	0	5	0	Thunderstorm Winds
Grapevine	31 The		lown off th	e Farmers	0 Marke	0 st buildi			amage occurred to the Heritag e
	1116	TOOL Was D	iowii oii ti	ic railliers	iviaikt	a bullul	ng, an	u 1001 (l	amage occurred to the neritage

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons Injured	Estin Dam Propert	nated nage v Crops	August 1994
	build	ding.							
Arlington	31	1625CST			0	0	3	0	Thunderstorm Winds
	Pow	er lines were	blown dov	vn by high	n winds	5.			
TEXAS, Southern									
Nueces County Bishop	04	1145CST			?	?	?	?	Funnel Cloud
Nucces County Robstown	04	1145CST			· ?	?	?	· ?	Funnel Cloud
Victoria County									
Victoria Cameron County	04	1205CST			?	?	?	?	Funnel Cloud
Brownsville Cameron County	05	0853CST			?	?	?	?	Funnel Cloud
Brownsville Nueces County	05	1355CST			?	?	?	?	Funnel Cloud
Robstown Nueces County	05	1325CST	.1	100	?	?	?	?	Tornado(F0)
Orange Grove	05	1423CST			?	?	?	?	<b>Funnel Cloud</b>
Trinity County Trevot	07	1805CST			?	?	?	?	Thunderstorm Wind
Polk County Wakefield	07	1816CST-			0	0		0	
San Jacinto County	07	1817CST 1940CST-			?	?	?	?	Thunderstorm Wind
D 10 4		1941CST			?	?	?	?	Thunderstorm Wind
Duval County 1 S Freer	09	1655CST			?	?	?	?	Funnel Cloud
Duval County 1 S Freer	09	1655CST			?	?	2K	3K	Hail (0.75)
Duval County Freer	09	1700CST			?	?	5K	?	Thunderstorm Wind
Guadalupe County Seguin	09	1830CST			?	?	5K	3K	Thunderstorm Wind
_					·	·			111111111111111111111111111111111111111
TEXAS, Southern	Con	ıu							
Chambers County Winnie	14	1730CST-							
<b>Cameron County</b>		1735CST			?	?	?	?	Hail (0.75)
7 E Harlingen Polk County	14	0640CST	.2	100	?	?	?	?	Tornado (F0)
Goodrich	15	1415CST- 1416CST			?	?	?	?	Hail (0.75)
Brazoria County	15	1715CST-			?	· ?	?		· · ·
Harris County	15	1716CST 1715CST-			•	•		?	Thunderstorm Wind
Harris County	15	1718CST 1725CST-			?	?	?	?	Thunderstorm Wind (G50)
Harris County	15	1730CST 1730CST-			?	?	?	?	Thunderstorm Wind (G52)
Brazos County		1735CST			?	?	?	?	Hail (0.75)
E Portion	15	1634CST			?	?	?	?	Thunderstorm Wind (G55)
	Fifty	y-five knot wi	nds were i	reported at	Easter	rwood A	Airport (	(CLL) a	t 1634CST.
Victoria County Victoria	16	1855CST			?	?	?	?	Hail (1.00)
Victoria County Victoria	16	1900CST			?	?	?	?	Thunderstorm Wind
, 10001H	10	1700001			•	•	•	•	Thursday of the Trilly

•	Б.,	Time Local/	Path Length (Miles)	Path Width (Yards)	Nur Per	nber of sons	Esti Dai	mated nage ty Crops	August 1994
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Proper	ty Crops	Character of Storm
	Roo	f blown off ha	ngar at V	ictoria Co	ıntv Ai	rport	Large t	ree limb	s and power lines down in area.
Harris County	17	1700CST-	ingui ut v	iotoria co	•	-			-
Jefferson County		1708CST			?	?	?	.1M	Thunderstorm Wind (G60)
Port Neches Bandera County	21	1300CST			?	1	0	?	Lightning
Medina	21	1450CST- 1800CST			?	?	?	3K	Flash Flood
Kerr County Mountain Home	21	1450CST- 1800CST			?	?	?	5K	Flash Flood
Jefferson County Beaumont	21	1300CST			?	1	?	?	Lightning
Vara Carrata	A 2	1-year-old ma	le was inj	ured by a	lightniı	ng strike	e while	mowing	g his lawn.
Kerr County Mountain Home	22	0600CST- 0800CST			?	?	?	?	Flash Flood
Jefferson County Port Arthur	22	0900CST			1	0	?	?	Lightning
Victoria County Bloomington	22	1345CST- 1415CST			?	?	?	?	Thunderstorm Wind
	Pow	ver lines blow	n down ar	nd large tre	•	-	•	•	Thunderstorm Wind
Live Oak County	24	1 <i>455.</i> CCT			?	?	?	9	Funnel Cloud
George West San Patricio County	30	1455CST 0934CST			?	?	; ?	?	Funnel Cloud
Taft Hardin County 5 NE Silsbee	30	1133CST	.1	100	?	· ?	; ?	? ?	Tornado(F0)
5 NE SIISDEE	30	1133031	•1	100	•	•	•	•	Tornauo(FV)
TEXAS, Western									
<b>Crane County</b>	31	2255CST- 2359CST			0	0	3	0	Flash Flood
<b>Upton County</b>	31	2255CST- 2359CST			0	0	3	0	Flash Flood
	Thu		oving south	n through th	-		_		lized street flooding in Midland
	and that thus	Odessa in the regiured clos	e early eve ing U.S. I September	ening. As i Highway 3	the stor 49 in U	ms con Jpton C	tinued county.	southwa The flo	rd, heavy rains caused flooding oding continued past midnight, I subsided enough to allow both
UTAH									
	Plea	se refer to the	e second s	ection of S	Storm	Data aı	nd Unu	ısual Wo	eather Phenonema .
VERMONT									
Rutland County Lake St. Catherine	02	1515EST			0	0	2	0	Thunderstorm Wind
Poultney	02	1520EST			0	0	2	0	Thunderstorm Wind
	2nd	old front move resulting in se n at Lake St.	evere thur	derstorms	across	parts o	f Rutla	nd Coun	on and evening hours of August ty. Numerous trees were blown in Poultney.
<b>Orleans County</b>									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Esti: Dai Proper	mated nage ty Crops	August 1994
Newport	09	1807EST			0	0	5	0	Thunderstorm Wind
	movi part boatl	ing across sout of the roof of	hern Lake f a hardw vned or u	Memphrai are store a prooted nu	magog o and cau merous	causing sed ex trees.	damag tensive In addi	e in Ned	t 9th with a severe thunderstorm wport. Thunderstorm winds tore to a sports center, destroyed a nerous signs were damaged and
VIRGINIA									
Rockingham County Harrisonburg	05	1650EST			0	0	4	0	Thunderstorm Winds (G52)
	loss of ca	of power. Tree	es were b	lown dowr	i along	Route	33 and	into the	33 reported 60 mph winds and a city of Harrisonburg. A couple known size was also reported in
Rockingham County Bergtons	11	1600EST			0	0	3	?	Hail (0.88)
Dergrons			duced nic	kel-size h			_		rain at Bergtons. Thunderstor m
	wind	ls knocked do	wn a coup	ole of conc	ession	stands	•		
Rappahannock County Countywide	y 11	1730EST			0	0	2	0	Thunderstorm Winds
Countywide	11	1800EST- 2100EST			0	0	2	0	Flood/Flash Flood
									caused roads to close with up to
Shenandoah County Countywide	11	1730EST- 1930EST			0	0	3	0	Flash Flooding
Countywide	11	1845EST			ŏ	ŏ	3 2	ŏ	Thunderstorm Winds
	were	r three inches e uprooted nea cked out power	ar Conicv	ille and Re	oute 70	3. Pov	ver was	knocke	ount Jackson to be closed. Trees ed out. Trees and lightning als o
VIRGINIA Cont'd									
Fairfax County	11	1840EST- 1900EST			0	0	2	0	Thunderstorm Winds
	Burk	nderstorm wir te and Springfic e western part	eld areas.	Heavy rain	ees and n also c	limbs aused	down y minor f	which al looding	so caused power outages in the along small streams and creeks
Fairfax County Pohick	11	2000EST			0	0	5	0	Lightning
Tomex			home in	the Pohick					ing \$250,000 damage.
Culpeper County	11	2015EST-				8			
Rappahannock County	v	2200EST 11	2015ES	<b>ГТ-</b>	0	0	4	0	Flood/Flash Flood
ruppunumoen count	,	2200EST	201025		0	0	3	0	Flood/Flash Flood
	many	y roads to flood	d. Nine pe	ople had to	be resc	ued fro	m three	homes	pahannock County Line causing in the northern part of Culpeper evinger's Corner.
Fauquier County W Portion	11	2045EST- 2200EST			0	0	3	0	Flood/Flash Flood
	Over	four inches of tht on flooded	rain fell c roads sou	ausing nun	nerous i st of W	oads t	o flood on.	. Severa	l people were rescued from cars

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Estir Dan	nated nage ty Crops	August 1994
11. 31111	12/11	Statitian	(IMITES)	(, Laius,	Kilitai	- mjiira	1 1111111	ı <u>y Cıu</u> ıx	V India in Vita Studio
Fairfax County W Portion	12	0100EST- 0130EST			0	0	6	0	Lightning
		tning started se amage. Anothe						by light	ning in Reston caused \$400,000
Stafford County	14	1705EST			0	0	4	0	Thunderstorm Winds
	cour	nty. A chimne division. Two o	y was rij	oped off a	a new 1	nome o	n Gree	nspring	vision in the northern part of the s Drive in the Hamptom Oak s of was damaged when a tree fell
Prince William County Ouantico	y 14	1715EST			0	0	3	0	Thunderstorm Winds
Quantico	Thu				-	-	_		damage to several buildings on
Nottoway County Blackstone	14	2232EST	1		0	0	4	0	Lightning
Diuciistoric		ntning set a hor	use on fir	e in Black			=		8 8
<b>Henry County</b>	8	•				8	-,		-
Martinsville	17	0142EST	4.25	300	0	10	7	0	Tornado(F2)
	Mar were	tinsville. The injured, 100 h	path leng omes and	th was 4.2 30 busines	25 miles sses we	long a	nd aver aged. T	aged ab otal dan	one and a half miles south of out 200 yards wide. Ten people nages came to \$8.7 million. The f Tropical Storm Beryl.
Carroll County	17	0330EST			0	0	4	0	Thunderstorm Winds
Cana Carrol and Grayson Counties	17	Unknown			0	0	4	0	Flash Flooding
Counties	Seve	en inches of rain	n fell from	n thunders	storms a	associat	ted with	the ren	nnants of Tropical Storm Beryl.
VIRGINIA Cont'd		i wiiius iioiii u	ie storiis	toppied ti	iees and	i broug.	iit dowi	i branci	nes knocking out power to some
	areas six 1	s. Roads were f arge trees fell	looded an knocking	d several l out powe	low brider to 500	dges fro	om high ners.	water.	In Cana area of Carroll County,
Louisa County	17	0800EST- 0930EST			0	0	2	0	Flood/Flash Flood
	Alm into	ost three inches Virginia. One	s of rain f inch fell	ell in 24 h in less tha	ours as in an ho	the rer	nnants sing roa	of Trop	ical Storm Beryl began to move ounder water.
Rockbridge County	17	0900EST- 1030EST			0	0	4	0	Flood/Flash Flood
	fami	ily had to be e	vacuated	from theii	r home	along K	Kerrs Ci	reek jus	ous roads to go underwater. One t northwest of Lexington. Flood nble to higher ground.
<b>Bedford County</b>	17	1100EST- 1300EST			0	0	2	0	Flood/Flash Flood
<b>Amherst County</b>	17	1200EST- 1400EST			0	0	2	0	Flood/Flash Flood
									oads to be closed from flooding
Highland County	17	1200EST-	5 ·· ut						
Augusta County	17	0130EST 1200EST-			0	0	2	0	Flood/Flash Flood

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ons Injured	Dar	mated nage ty Crops	August 1994
		0130EST			0	0	2	0	Flood/Flash Flood
	in th	e western port	ions of Aı	ıgusta Coi	unty in	the area	as of S	woop, A	ooding and the closure of roads ugusta Springs, and Craigsville thes of rain fell.
<b>Nelson County</b>	17	1400EST- 1530EST			0	0	2	0	Flood/Flash Flood
<b>Albemarle County</b>	17	1400EST- 1530EST			0	0	2	0	Flood/Flash Flood
<b>Rockingham County</b>	17	1430EST- 1600EST			0	0	2	0	Flood/Flash Flood
<b>Greene County</b>	17	1430EST-							
<b>Madison County</b>	17	1600EST 1430EST-			0	0	2	0	Flood/Flash Flood
Page County	17	1600EST 1430EST-			0	0	2	0	Flood/Flash Flood
Rappahannock Count	y	1600EST 17	1430ES	Т-	0	0	2	0	Flood/Flash Flood
	_	1600EST			0	0	2	0	Flood/Flash Flood
	four	inches fell in							caused flooding of roads. Over curay in Page County.
Shenandoah County	17	1500EST- 1630EST			0	0	4	0	Flood/Flash Flood
Warren County	17	1500EST- 1630EST			0	0	4	0	Flood/Flash Flood
Fauquier County	17	1530EST- 1700EST			0	0	3	0	Flood/Flash Flood
	Bery were closu but d	l moved throu e flooded. Th ares. Over 20	igh. Street iere were roads wer d unharme	flooding several m e flooded ed. A few	occurre ud and in Sher baseme	ed in Fro gravel nandoah ents also	ont Ro slides Coun o flood	yal. Mar that cau ty. Two ed. Road	the remnants of Tropical Stor m ny roads around Warren County used damage to roads and road cars were caught in high water, ds were also flooded and closed
VIRGINIA Cont'd	l								
Spottsylvania County Lake Anna	17	1525EST			0	0	0	0	<b>Funnel Cloud</b>
	A fu	nnel cloud wa	as sighted	near Lake	Anna.	It did n	ot touc	ch down	
<b>Culpeper County</b>	17	1530EST-			0	0	2	0	Flood/Flood Flood
Orange County	17	1830EST 1530EST-			0	0	2	0	Flood/Flash Flood
		2000EST e to five incheures througho			0 nts of T	0 'ropical	2 Storm	0 Beryl c	Flood/Flash Flood aused flooding and several road
Clarke County		C							
Countywide Countywide	17 17	1615EST 1615EST-			0	0	2	0	Thunderstorm Winds
Frederick County	17	1800EST 1640EST-			0	0	2	0	Flood/Flash Flood
		1830EST			0	0	4	0	Flood/Flash Flood
	Wind near	chester with up	o to a foot nd in othe	and a half r parts of l	f of wat both Cl	er on ro arke an	oads in d Fred	the dow	Beryl caused flash flooding i nyntown area. Roads were closed unties. Trees were blown down
Loudoun County Countywide	17	1745EST			0	0	4	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Perso Killed	per of ons Injured	Estir Dan Proper	nated nage ty Crops	August 1994
Countywide	17	1805EST- 1930EST			0	0	2	0	Flood/Flash Flood
	Thui	nderstorm wir se Creek. Hea	nds blew vy rains a	down a tro	ee whic	h took ng on p	out pa	rt of a b	oridge across the North Fork of Route 15.
Prince William County Countywide		1810EST	J		0	0	1	0	Thunderstorm Winds
Countywide	17	1900EST- 2000EST			0	0	3	0	Flood/Flash Flood
	Tree		n down b	y thunders umfries an	storm w	inds ir	the w		part of the county. Heavy rain s
Pulaski County Grayson County	17 19	Unknown Unknown			0	0	?	?	River Flood River Flood
	Seve Brid	eral families l ges were close	had to be ed in Gra	evacuated yson Coun	l from t ity. One	heir ho trailer	mes al was w	ong the	New River in Pulaski County . way.
Pittsylvania County White Oak	19	Afternoon			0	0	1	5	Hail (0.75)
Mountain	Mark tobac	ole to dime-size	e hail fell causing o	near Whiterop losses	e Oak N estima	Iountai ted arou	n for a and \$1	bout 15 75,000.	minutes damaging 100 acres of
Rockingham County SW Portion	19	1945EST-			0	0	_	0	Flood/Flash Flood
Augusta County NW Portion	19	2100EST 1930EST-			0	0	5	0	
		2130EST		0 0	0	0	2	0 .	Flood/Flash Flood
	thund previ	derstorms. Tw lous days rains	o or more. The K &	e inches of M store in	rain fel Sanger	l in jus ville fl	t a cou	ple hous causing	ns associated with slow moving rs on top of ground saturated by substantial damage to the store. Is were under water.
Rockbridge County Buena Vista VIRGINIA Cont'd	25	1906EST			0	0	5	2	Thunderstorm Winds (G61)
Buena Vista	25	1906EST			0	0	3	0	Lightning
	U.S. orien was	Highway 60 ted from east-t damaged. Sev	). The are northeast ( veral prop	a of dama to west-sou erties had	ge was thwest. damage	about 3 About 3 to she	300 ya 300 tree ds and	rds wides were lone ba	ne intersection of Route 608 and e and half a mile long and was snapped or uprooted. One home rn had the metal roof ripped off. vinds were estimated at 70 mph.
Loudoun County N Portion	31	1645EST			0	0	2	0	Thunderstorm Winds
	Tree in the	limbs were bloe e Purcellville	own down area.	by thunde	rstorm v	vinds no	orth of	Leesbui	rg. A pole was also blown down
WASHINGTON									
	Pleas	se refer to the	second se	ection of S	Storm I	)ata an	d Unu	sual W	eather Phenonema .WEST
WEST VIRGINIA	, Eas	tern							
Jefferson County Harpers Ferry	13	1445EST			0	0	2	0	Thunderstorm Winds
-	Thur Harr	nderstorm wir ber's Ferry. Ha	ds knock iil also fe	ed down l ll of unkno	arge br	anches,	a tree	and a to	elephone pole just southwest of
<b>Pendleton County</b>	17	1500EST-							

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nun Per Killed	nber of sons Injured	Esti: Dar I Proper	mated nage ty Crops	August 1994
							_	_	
	**	1600EST		P .1	0	0	5	0	Flash Flood
	on p		nty in a sh	ort am oun	t of tim				eryl dropped 2.00 to 3.00 inches and secondary roads went under
<b>Berkeley County</b>	17	1615EST-			0	Λ	2	Λ	Flood/Flash Flood
<b>Jefferson County</b>	17	1830EST 1615EST-			0	0	2	0	
<b>Morgan County</b>	17	1830EST 1630EST-			0	0	2	0	Flood/Flash Flood
	**	1830EST	C		0	0	2	0	Flood/Flash Flood
	over	r the extreme e	astern pan	handle of \	West V	ir̃ginia.	Over 4	.00 incl	mped 3.00 to 4.00 inches of rain nes fell in Berkeley County. The flooded roads.
<b>Berkeley County</b>	17	1640EST- 1645EST	2.0	100	0	0	5	0	Tornado(F1)
	torna	ornado touched ado damaged t trees. The pa	hree home	es partially	destro	ying or	ie. It de	stroyed	a mile west of Hedgesville. The a shed and uprooted some large yards wide.
Morgan County 1.5E Paw Paw	17	1515EST- 1520EST	3.0	100	0	0	2	0	Tornado(F0)
	nort	heast along the	e southeas	st side of tl	he Poto	mac Ri	ver. It	caused v	Paw Paw, WV and moved to the widespread tree damage through a was about 100 yards.
Berkeley County Martinsburg	25	1802EST			0	0	2	0	Thunderstorm Winds
		es and power li nph with pea-		knocked do	wn in tl	ne Mart	insburg	area . T	he strongest measured wind was
WEST VIRGINIA	, Eas	stern Cont'	'd						
Berkeley County Martinsburg	31	1800EST			0	0	2	0	Thunderstorm Winds
	Tree	es and power li nph with pea	nes were k size hail.	knocked do	wn in tl	ne Mart	insburg	area . T	he strongest measured wind was
WEST VIRGINIA	L								
Brooke County Wellsburg	02	1545EST			0	0	3	0	Lightning
wensourg			l on an an	artment by	-				ter damaged dwellings below.
Marion County			on un up			, 1001.	21110110		
Rivesville Monongalia County	02	1630EST			0	0	0	0	Thunderstorm Wind
Arnettsville Marion County	02	1650EST			0	0	3	0	Thunderstorm Wind
1 N Rivesville	02	1630EST- 1900EST			0	0	3	0	Flash Flood
Monongalia County Arnettsville	02	1630EST- 1900EST			0	0	4	0	Flash Flood
	Phar and	raoh Run and I vehicles were	ndian Cree damaged	ek flooded l.	after 1	to 3 inc	ches of	rain fell	in about an hour. Outbuildings

**Ohio County** 

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nu Pe	mber of rsons	Estin Dar	nated nage tv. Crops	August 1994
Location	Бие	Standard	(Willes)	( Faids)	Kille	a injured	ropei	ту сторк	Character of Storm
Wheeling Airport	04	1803EST			0	0	0	0	Thunderstorm Wind (G52)
Lewis and Upshur Counties	05	1000EST- 1200EST			0	0	3	0	Flood/Flash Flood
	the V	Vadis region c	on east to '	Weston and	d Jane	Lew. V	Water si	ırround	in Lewis County occurred from ed 3 or 4 homes on the outskirts mon and Tennerton.
Monongalia and Preston Counties	17	1600EST- 1800EST			0	0	3	0	Flood/Flash Flood
	Rain Cou	ns of 2.5 to 3.5 nty officials r	inches acc reported 4	cumulated it to 8 inches	n 24 h s of w	ours bro ater flov	ught se wing ac	veral cr ross nur	eeks over county roads. Preston nerous roads.
Summers County Nimitz Green Sulphurr Springs	19 19	1406EST 1425EST			0	0	0	0	Hail 0.75 Hail 0.75
Marshall County Moundsville	25	1730EST			0	0	3	0	Thunderstorm Wind
	Nun caus	nerous trees and sing water to l	id power li leak into u	nes were bl mits below	lown (	down. I	The roof	of an a	partment building was damaged
Lynn Camp	25	1815EST- 1845EST			0	0	0	0	Flash Flood
		automated ra	nin gauge	indicated	3.8 in	ches of	rain in	45 min	utes. County officials reporte d
Wetzel County New Martinsville New Martinsville	25 25	1900EST 1910EST			0	0	0	0	Hail 0.75 Thunderstorm Wind
New Martinsvine	A co	onstruction t			er, alo	ng with	•	Ü	ree branches. A house on Thir d
Tyler County	Stre	et sustained d	amage iro	m a ranen	mapı	e tree.			
Deep Valley	25	2015EST			0	0	0	0	Thunderstorm Wind
WEST VIRGINIA	, Eas	stern Cont	'd						
Tucker, Barbour, Randolph, Upshur,	27	0730EST- 0830EST			0	0	3	0	Flash Flood
and Webster Counties	Rain	ns of 1.5 to 2 in ked roads. N	nches fell o dwellin	in 3 hours gs were af	. Man	y small	creeks	overflo	wed onto roads. Mudslides also
Harrison County Stonewood	31	1400EST-							
Nutter Fork Lewis and Harrison	31	1500EST 1815EST-			0	0	3	0	Flash Flood
Counties	_	1915EST	c : c		0	0	4	3	Flash Flood
	Right to Jo	nt Fork of Free ohnstown in F age. No struct	emans Cree Harrison C	ek was dest County. Ha	royed arrisor	in Lewis County	s County y officia	v. Wat e ils estin	ge over Elk Lick Run, along the r flooded roads from Lost Creek nated 50 homes had minor water water flooded fields and ruined

#### **WISCONSIN**

Please refer to the second section of Storm Data and Unusual Weather Phenonema .

### **WYOMING**

Please refer to the second section of Storm Data and Unusual Weather Phenonema .

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	nber of sons Injured	Esti: Dai	mated nage tv Crops	August 1994		
1.18.2000	Пин	Staticato	(WHES)	(Talus)	Killeti	- nymei	- Froper	ry Citific	Character of Stuffin		
ALASKA, Northe	rn										
AKZ024	10	0530ADT			?	?	?	?	High Winds		
	A st	trong storm o	occurred so	outhwest of	Gamb	ell.					
AKZ005	11	1600ADT			0	0	0	0	Coastal Flood		
	A st Sev	orm southwes eral small bo	st of St. Lav ats swamp	wrence Islan ed in fishin	nd mov ng cam	ing nort p.	thward i	into Ch	ukchi Sea continuing northward.		
AKZ024	13	0253ADT			?	?	?	?	High Winds		
	Stro	ong pressure g	gradient no	orth of stro	ng occl	uded fr	ont mo	ving no	rthward.		
<b>AKZ005 Z006</b>	16	0012ADT			0	0	?	?	Flash Flood		
	A st of ra	rong front in tain. The sna	the Bering ke River n	Sea moved ear Nome v	northw went ov	ard over ver banl	r th e Se kfull an	eward P d into F	eninsula causing nearly 2 inches Residence.		
AKZ004-005	17 26	1600ADT-	-		0	0	?	?	River Flood		
	From the 17th to the 21st major river flooding ocurred on the Koyukuk, Kobuk, and Noatak Rivers. The cause of the floods was a series of strong Polar frontal systems moving through on a mois t southwesterly flow off the Bering Sea. The first flood subsided on the 21st but further rainfall caused more flooding on the same rivers through the 26th. The total estimate for restoration of the flooded villages on the rivers is \$74 million.										
AKZ007	18	2322ADT			?	?	?	?	High Winds		
	Som	ne trees and po	ower lines	were downe	ed. Po	wer out	ages oc	curred	and damage estimates unknown.		
ALASKA, Souther	rn										
	Rep	ort not receiv	ved.								
ALASKA, Souther	aster	n									
	Rep	ort not receiv	ved.								
HAWAII											
Hawaii HIZ004	12	1215HST			0	0	6	?	Flash Flooding		
	and Puna Puna elev 40 y mill	enhanced by a, and Kau D a Districts, g ations of both years. At the	upslope flo istricts. A iven the ex districts. I height of lamage, ro	w, produced though 7 to treme runced fooding with the flooding ads, culver	d heavy to 15 in off, greavas char ng, all n ets, brid	y showe ches of ater rain acteriz najor ro	ers and rain fe nfall lik ed by s oads we ad busir	thunder ll in 24 tely occ some H re close nesses a	nds of Tropical Depression 1-C, estorms over the Hamakua, Hilo, hours over parts of the Hilo and urred in ungaged areas at higher ilo residents as the worst in overed in Hilo. Of an estimated \$3.4 ecounted for \$1.8 million. Two nor damage.		
Maui HIZ003	12	1200HST			0	0	?	?	Flash Flooding		
	floo	ated showers a ding over pa eral locations	arts of Eas	rstorms asset Maui. Tl	ociated he Han	with in a High	nstabilit way wa	ty from s block	Tropical Depression 1-C caused ed by landslides and flooding a t		
Hawaii HIZ004	23	1800HST			0	0	?	?	Flash Flooding		
	Hea	vy showers o	over upsloj	pe areas ca	used he	avy ru	noff an	d road c	losures in the Kau District.		
	23-2	24			0	0	0	0	High Surf		
	Hig bead	h surf associ ch parks in K	iated with au and Ko	swell from na District	distants. Hig	t Hurri h water	cane Jo	hn rang Alii Dr	ging from 6 to 10 feet inundate sive in Kona.		
Oahu HIZ002	1-31	1			0	0	0	0	<b>Excessive Heat</b>		
	Max daily	kimum temper y record highs	ratures hit s were tied,	90F and ab and 3 new	ove on daily re	all but	one da	y at Ho ere set.	nolulu International Airport. 13 Ten new record high minimums		

Location	Lo	me ocal/ andard	Path Length (Miles)	Path Width (Yards)	Numl Perso Killed	per of ons Injured	Estin Dam Propert	nated lage v Crops	August 1994		
		tablished and he month of		d high mir	nimums	s were t	ied. A	new red	cord high minimum of 80F was		
PACIFIC	Set for t	ne monui oi	August.								
Johnston Atoll	25 1	630HST			0	0	7	0	Hurricane John		
Johnston Aton			15 m	ila alagast	-	-	=				
	Hurricane John makes a 15 mile closest point of approach to the north northwest of Johnston Island, with 75 mph sustained winds and gusts to 90 mph. Although buildings and storage areas containing a chemical weapons disposal facility and toxic waste were undamaged, \$10-15 million in damage occurred to numerous support buildings and personnel billets. All 1100 civilian and military personnel were evacuated well in advance of John's approach. Many of the approximately 2,00 0 nests of seabirds on the island and 3 smaller islets in the atoll were destroyed.										
<b>PUERTO RICO</b>											
Arecibo	01 1	530AST			0	0	0	0	Thunderstorm Winds Hail		
	Thunde	rstorms prod	duced ha	il of unkno	wn siz	e at the	Saban	a Hoyos	s sector.		
Moca	11 1	530AST			0	0	4	0	Thunderstorm Winds		
	mechan	nd power line ic shop destre kery damagi	oving the	shop and	wo vel	nicles in	iside. A	At Barri	own of Moca. One tree fell on a o Voladora a tree crashed down g route 464.		
PRZ002	23 1	305AST			0	0	0	0	Waterspout		
	A wate Additio	rspout was nal waterspo	sighted outs were	by an aird sighted b	eraft 7 y airera	miles s aft near	southwe Culebi	est of C ra later i	Culebra in eastern Puerto Rico. in the afternoon.		
Anasco	28 1	500AST			0	0	3	0	Urban/Small Stream Flood		
	More that Barri	nan two inch o Carrazas v	es of rai were floo	n fell in A ded when	nasco. a neart	Several by strea	l house m over	s in the flowed	Vista del Rio Dos housing area its bank.		
PUERTO RICO	Cont'd										
PRZ001-	01-31				0	0	0	0	Drought		
002-003- 004-005-	soils co Carraiz	overed 5% o o reservoir v	f the isla water lev	nd. La Pla el was eig	ita rese hteen f	rvoir weet belo	ater lev ow spil	vel was lway, al	ed 40% of the island. Saturated forty-nine feet below spillway. Ithough during the second week y-four feet below spillway.		

### **VIRGIN ISLANDS**

Report not received.

	Time	Path	Path	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	8
Location	Date Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

# ADDITIONS

### **AUGUST 1993**

#### **MISSOURI**

MOZ003-007-011-
012-018-022-023
Northeast through
Southeast Missouri

01-31 0 0 9 9 River Flood

Note: The numbers in the damage category columns above are a continuation from previous months and not a total for August.

The Great Flood of '93 continued into its second month in Missouri as the **Mississippi River** remained above flood stage at all points along the river. In fact, some of the record crests wer e reached in the first two weeks of the month.

Site Flood	Stage	Record	Date	Old Date Record
Grafton, Il	18	38.15	8/1	33.12 4/73
Melvin Price Dam Alton, IL	26 21	42.72	8/1	36.6 4/73
St. Louis, MO	30	49.58	8/1	43.2 4/73
Chester, ÍL	27	49.69	8/7	43.3 4/73
Cape Girardeau, MO	32	48.49	8/8	45.55 5/73
Thebes, IL	33	45.5	8/7	44.2 5/83

For the most part, August marked a slow recession in the levels of the Misssissippi River at points in Missouri. The following is a capsule of how the affected counties continued to deal with the disaster.

#### **Clark County**

On Tuesday (8-3-93) the Mississippi River continued to ebb in Clark County. North of Taylor , Highway 61 was still under water and closed to the Iowa border. By Sunday (8-8-93) floodwate r slipped off Highway 61 from Alexandria to the Des Moines River bridge. However the highway remained closed due to needed repairs. The entire town of Alexandria was flooded with up to 14 feet of water July 7 and the town still had 4 feet of water remaining on August 9. Officials in Alexandria Thursday (8-26-93) reported that only 12 of the 120 homes had flood insurance. Alexandria roads were still covered with water Auguest 28, but most could be traveled by four - wheel drive vehicles.

#### **Lewis County**

In LaGrange Sunday (8-1-93) the police chief reported the Mississippi River had receded from the Post Office and Police station. It appeared though that the police station, many businesses and homes were too damaged to repair. Business Highway 61 through Canton and LaGrange was still closed August 9. In LaGrange Thursday (8-26-93) the mayor reported that about 50 pieces of property had been damaged. So far only two properties had been condemned. Nineteen of the properties were insured. On Saturday (8-28-93) Main Street in LaGrange was dry as the river retreated to just below the Burlington - Northern railroad track.

In Canton Monday (8-2-93) sandbags were removed as the threat of flooding diminished. Canton officials said Sunday (8-8-93) that none of the 450 homes and bu sinesses evacuated had been flooded, because the Canton levee held. In Canton, one home on the river side of the levee had been condemned.

#### MISSOURI Cont'd - August 1993

	Time	Path	Path	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	
Location	Date Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

#### **Marion County**

On Sunday (8-1-93) Highway 61 was opened from Taylor to Hannibal. In the Bear Creek Bottoms area in southern Hannibal, floodwater receded leaving behind driftwood, garbage and lots of muck. The Highway 24 bridge north of Hannibal leading to Quincy, Illinois remained closed. Officials in Hannibal Thursday (8-26-93) reported 150 homes and businesses were damaged by the flood. Fewer than 10 buildings had flood insurance. The city had already condemned 63 homes. In Hannibal on Friday (8-28-93) floodwater no longer claimed any house in the Bear Creek Bottoms. More than half of the 150 damaged homes and businesses may have to be condemned.

#### **Ralls County**

Ralls County officials estimate there were 50 homes damaged in the Ilasco, Saverton and Riverview Acres areas. Several hundred acres of farm land were also flooded.

#### **Pike County**

The Mississippi River fell rapidly (11/2 feet) at Louisiana Monday (8-2-93) but Highway 7 9 remained flooded. On Thursday (8-5-93) the Louisiana City Administrator advised that the U.S. 54 bridge approach on the Illinois side of the Mississippi River may be repaired by early next week, making the bridge useable. Pedestrians were allowed to cross the bridge. At 6 P.M. Saturday (8-7-93) the U.S. 54 bridge to Pike County Illinois was reopened. Illinois had closed the bridge July 1, 1993.

On Saturday (8-7-93) Clarksville's sewer plant serving the downtown area returned to service. Clarksville had 41 homes and 2 businesses flood damaged. On Thursday (8-26-93) officials reported Louisiana had 30 homes and 12 businesses flood damaged.

In the small community of Annada in extreme southeast Pike County all the homes were flood damaged.

On Saturday (8-28-93) the river rose back across Highway 79 in both Louisiana and Clarksville, but it was not expected to stay there for long.

#### **Lincoln County**: Mississippi River, Cuivre River

Highway 79 was reopened south of Foley through Lincoln County and St. Charles County Sunday (8-8-93). Thursday (8-26-93) the Lincoln County Emergency Management Agency (EMA) Chie f said 800 homes were damaged or destroyed by the flood.

Officials in Elsberry said Monday (8-2-93) the floodwater had dropped a foot exposing a small portion of Highway 79 in town.

A boil water order was in effect in Winfield due to a power outage the night of August 2, causing problems with the purification plant. In Winfield residents began cleaning up the 115 flooded homes east of the Burlington - Northern Railroad tracks on Saturday (8-28-93).

In Old Monroe the floodwater from the Cuiv re and Mississippi Rivers dropped a few inches over the weekend of August 1st but it was still up to the Burlington and Northern railroad tracks.

#### St. Charles County: Mississippi River, Missouri River, Cuivre River

A St. Charles County spokesperson for the EMA said 123,000 acres had been flooded in the county as of Wednesday (8-3-93). There were 30 breaks in various levees in the county, with each break averaging 500 feet. With only one of four bridges fully open, commuter traffic from St. Charles into St. Louis County was horrendous. The City of St. Charles suffered near total gridlock early Monday (8-2-93). The Missouri Highway 94-370 interchange reopened Sunday (8-8-93) after being closed for a week. Traffic using the Highway 370 Bridge over the Missouri River helped relieve the massive traffic jams that occurred on Interstate 70 at the Blanchette Bridge. Highway 67 and the Clark Bridge connecting St. Charles County to Alton, IL was reopened Saturday (8-7-93).

#### MISSOURI Cont'd - August 1993

		Time	Path	Path	Number of	Estimated	August 1994
		Local/	Length	Width	Persons	Damage	υ
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

Highway 79 in north St.Charles County was reopened Sunday (8-8-93). As of Wednesday (8-25-93) officials reported that flooding chased 10,000 residents from 3,500 homes in St. Charles County. Nobody knows yet how many people can or will return.

The Missouri and Mississippi Rivers spared only 2 of the 240 farmers who work the land between the two rivers. The affected farmers survivability depends on levees being rebuilt and also on Departmental and Federal Regulations involving use of the flood plain. The St. Charles Count y Sheriff estimated that because of the flood \$178,000 had been paid for overtime. St. Charles County inspectors by Saturday (8-28-93) had inspected 600 of the estimated 2,000 to 4,000 flooded homes in the county. Around 1/3 of those inspected have been condemned.

On Sunday (8-1-93) the marooned town of Portage Des Sioux lost its link to the outside world when 3 feet of water poured into the Southwestern Bell office. All but 6 of the village's 150 homes had water above their living room floors.

North of St. Charles on Sunday (8-1-93) about 1:30 A.M. the Missouri River shoved aside a 2 foot wall of sandbags topping a levee near Highway 94. The breach stretched more than 500 feet flooding more than 400 homes and 40 businesses in northern St. Charles. The river also washed over the Katy Trail and cascaded off a cliff to partly fill a quarry just south of St. Charles.

On Monday (8-9-93) Highway 94 remained under water north of Fox Hill Road in St. Charles County. North Main Street in St. Charles remained closed from Tecumseh to the St. Charles City limits. In St. Charles city, officials first estimate of the damage to public roads and facilities was \$500.000.

On Monday (8-2-93) highway workers dumped gravel into low spots on Highway 94 near Orchard Farm. This action opened the roadway to the residents that had been locked in since the weekend. The Orchard Farm school was surrounded by floodwater but a sandbag levee and pumps kept the school dry. The Orchard Farm school district resumed classes August 25. Only 10% of the district stayed dry during the flood. Only 963 students registered by the August 13, deadline. The district expected about 1,400 students.

Highway 94 at Defiance in southern St. Charles County remained closed until August 30. However Highway 94 remained closed in northern St. Charles County from east of Portage Des Sioux through West Alton as of August 31.

#### St. Louis County: Mississippi River, Missouri River, Meramec River, River Des Peres

On Monday (8-2-93) four major bridges in the St. Louis area remained closed, knotting traffic in the morning and afternoon rush hours into some of St. Louis' worst jams ever.

Westbound lanes of Highway 40 over the Daniel Boone Bridge over the Missouri River connecting St. Louis and St. Charles Counties was reopened We dnesday at 2 P.M. (8-11-93). Water covered the eastbound lanes for a half mile in the eastern portion of the Chesterfield Valley. Over 46,00 0 vehicles use the Daniel Boone bridge daily. That traffic had been forced north to add to the massive traffic jams on Interstate 70 and the Blanchette Bridge. On Friday afternoon (8-13-93) the Highway 40 westbound lanes were closed after a mid-week downpour caused the water to rise again and cover the lanes with up to 10 inches of water. On Sunday (8-15-93) about 3 P.M. the westbound lanes of Highway 40 reopened Early Monday (8-16-93) afternoon the eastbound lanes of Highway 4 or reopened through Chesterfield Valley. The exits at Chesterfield Airport Road and Long Road remained closed due to floodwater and security restrictions. The Monarch Levee District began work repairing the 13 mile levee system, primarily at the 1,800 foot break near Howell Island.

Thursday (8-19-93) the Army Corps of Engineers announced that the Monarch Levee in Chesterfield was one of its two highest priority repair projects on the Missouri River. The broken levee leaves nearly 500 businesses, an airport, a prison and Interstate 64/U.S. 40-61 unprotected from future flooding.

In Chesterfield, police arrested anyone who violated an order issued August 2, to keep out of the business district which was covered by up to 15 feet of water. The Chesterfield Mayor said Saturday (8-21-93) that about 38 homes were flooded in the Chesterfield Valley as a result of the

#### MISSOURI Cont'd - August 1993

Monarch Levee in late July. On Tuesday (8-24-93) Federal Avia tion Administration officials advised

		Time	Path	Path	Number of	Estimated	August 1994
		Local/	Length	Width	Persons	Damage	υ
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

they will be returning the Automated Flight Service Station to the Spirit of St. Louis airport located in Chesterfield Valley.

County officials estimate nearly 200 homes in the county could meet the federal 50 percent damaged criteria for condemnation. About 85 of these homes are in the Lemay area.

The Aviation Museum located at Creve Coeur Airport needed a minimum of \$250,000 in donations to repair the flood damaged exhibits. Prior to the Creve Coeur levee break on July 17 many of the exhibits were moved to Spirit of St. Louis Airport which was flooded by a levee break July 30.

The St. Louis County Chief Accountant said Sunday (8-22-93) that flood expenses for all Count y Departments were approximately \$1.5 million.

In Bellefontaine Neighbors the water started to fall by August 2. 51 homes were flooded by a creek backed-up from the swollen Mississippi River. Some homes were flooded up to their rooftops.

Tuesday (8-3-93) the City of Arnold Mayor said the bridge over the Meramec River at Telegrap h Road and the approach on U.S. 61-67 will have to be replaced and raised. As of Wednesday (8-4-93) 130 homes in Arnold were flooded.

Saturday (8-21-93) officials advised that water has left all 80 homes that had been flooded in the Lemay area, but home owners must wait for inspections of their homes before returning to them. County inspectors determined Saturday (8-28-93) that 81 homes in the Kayser Creek area of Lemay were damaged over 50% They estimate that 90% of the 120 homes damaged in that area will be at least 50% damaged.

#### St. Louis City: Mississippi River, River Des Peres

Police ordered nearly 12,000 residents to evacuate an area within a one mile radius of the Phillips Petroleum Company's Propane distribution center August 2. There were 51, 30,000 gallon propane tanks bobbing in the floodwater along the River Des Peres, a small tributary of the Mississippi River. This created a threat of a fireball from a propane gas explosion. The area affected was in the city of St. Louis and St. Louis County north and south of where the River Des Peres enters the Mississippi River.

The Mississippi River crested at St. Louis at 9 A.M. Sunday (8-1-93) at 49.58 feet, flood level is 30 feet. On Tuesday (8-3-93) the 51 propane tanks at the Phillips Petroleum Company yard settled back into their concrete saddles, as floodwater receded. Divers had been used to secure them in place. The evacuation area for the propane tank hazard was reduced Friday (8-6-93) from a 1 mile radius to a 1/2 mile radius of the tank farm. The flood and the danger of an explosion at the flooded propane facility forced 17,000 people from their homes. On Saturday (8-7-93) the residents living within 1/2 mile down to 1000 feet of the propane tank farm were allowed to return to their homes. On Wednesday (8-11-93) all remaining residents in this area were allowed to return since all the propane tanks had been secured and drained.

Two barges, one carrying a Burger King restaurant, and a World War II minesweeper broke loose from their moorings on the Mississippi Riverfront at 11 P.M. Monday (8-2-93). The Burger King barge crashed into the Poplar Street Bridge (the major bridge carrying the Interstate Highways across the Mississippi River). The bridge had to be closed for about 6 hours as inspectors looked for structural damage. The Burger King restaurant was destroyed. The minesweeper was rounded up by a couple of tugboats shortly before it would have struck the St. Louis floodwall. It was moored to a point nearby where it later sank.

On Wednesday (8-18-93) the St. Louis Assistant Police Chief told the Police Board that the department had spent \$2 million on flood related matters.

The Defense Mapping Agency's flood damaged Aerospace facility in south St. Louis was still closed. The facility closed July 31 due to flooding of the River Des Peres and the Mississippi River. Most of the 1000 employees had been reassigned to other agency sites in St. Louis. The Public Affairs officer said this facility could be moved to a new site in the St. Louis area or be moved somewhere else in the state.

#### MISSOURI Cont'd - August 1993

	Time	Path	Path	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	8
Location	Data Standard	(Milec)	(Varde)	Killad Injurad	Property Crops	Character of Storm

#### Jefferson County: Mississippi andf Meramec River

In Jefferson County On Monday (8-9-93) Missouri Highway 231 and part of Highway 61-67 remain closed. On August 29, officials declared the Telegraph Road bridge on Highway 231 over the Meramec River joining St. Louis and Jefferson counties damaged beyond repair.

In Arnold (where the Meramec meets the Mississippi) a 20 foot section of a sandbag levee collapsed at 7:15 A.M. Sunday (8-1-93) flooding 10 mobile homes in the Starling Community Mobile Home Park on Starling Airport Road. Backed up sewers and a creek that feeds the Meramec River als o flooded Starling Airport Road. In Arnold many residents were advised to evacuate in late July . Hovever levee breaks on the Illinois side of the Mississippi River proved to be a blessing as this caused a 2 foot drop along the Meramec River. By Saturday (8-28-93) the Arnold City Administrator said federal buyouts have included 94 buildings and a mobile home park.

In Kimmswick on Sunday (8-1-93) sandbaggers worked to raise the levee along the Mississippi to 51 feet. Access south of Kimmswick was cut off early Monday (8-2-93) when Highway 67 flooded.

In Festus/Crystal City Sunday (8-1-93) part of a downtown Festus levee along the Mississippi fell to floodwater. Flooded were law offices, a hair salon, a restaurant, an insurance agency, a trophy store and a pawn shop. However broken levees upst ream on Monday (8-2-93) caused the water level to drop 1 foot overnight. A boil order was still in effect in Crystal City. Also in Crystal Cit y sandbags failed to keep floodwater off of South Truman Boulevard.

Festus town officials said Thursday (8-26-93) that 19 homes, 30 businesses and a church were flood damaged. In Crystal City 25 homes were damaged.

#### Ste. Genevieve County

On Sunday (8-1-93) at Ste. Genevieve, the Valley Branch Levee broke south of town spilling water onto St. Mary's Road and into St. Jude Acres subdivision. About 50 homes and businesses were evacuated. On Monday (8-2-93) authorities ordered another 20 families to leave, fearing the Mississippi River would conquer levees protecting their homes. Ste. Genevieve officials said Thursday (8-5-93) that muddy floodwater had damaged three of the towns eight most historic French Colonial buildings including the Amoureaux House built in 1770. The sandbag levee that towered over Front Street held with only a little seepage. Flood water broke through two small levees along a swollen creek in town.

The Mississippi River at Ste. Genevieve crested Friday (8-6-93). The levees at Ste. Genevieve held with only minor leaks. About 450 homes and businesses were forced to evacuate because of flooding or the threat of flooding. Saving the Ste. Genevieve historic buildings cost about \$2 million for sandbagging, rock and overtime. This expense was about \$300,000 more than their annual budget. St. Genevieve officials on August 26 said they expect several businesses and some homes to be condemned because of flood damage.

#### **Perry County**

On Friday (8-6-93) in Perry County, near McBride, cranes unloaded 2000 tons of rock from two barges sent by the Army Corps of Engineers. The rock was used to shore up a three mile stretch of sagging levee along the Mississippi River. Officials say this rock may be "to little to late" as most of the resources, up to now, had been going to Ste. Genevieve. The problem had been aggravated due to the July 25 break in the southern portion of the levee surrounding Bois Brule Bottoms. River water poured into the valley, saturating the remaining levee. This break submerged the approach to the Chester, Illinois bridge. the Perry County Sheriff reported 26,000 acres flooded in Perry County.

Tuesday (8-10-93) officials reported the water behind the Bois Brule Levee had been dropping a foot a day but it had 16 feet to go before it exposes the road to the Chester Bridge across the Mississippi River. On Saturday (8-21-93) the Perry County Sheriff reported that 8 feet of water still covered the road to the Chester Bridge. Thursday (8-26-93) officials report 90 buildings including two major businesses were flooded in the Bois Brule Bottoms. Saberliner Aircraft Repair and Gilster - Mary Lee Corp will probably return. Homeowners in several unincorporated villages may not be able to return according to Federal guidelines. Saturday (8-28-93) officials estimate that

#### MISSOURI Cont'd - August 1993

nearly 5 feet of water still covered the Highway 51 approach to the Chester bridge. The bridge

August 1994 Number of Persons Estimated Damage Time Local/ Path Length Path Width

appeared undamaged.

#### Cape Girardeau, Scott, Mississippi, New Madrid, Pemiscott Counties

These Southeast Missouri counties primarily had flooding restricted to acricultural lowlands near the Mississippi River. These rich farmlands remained underwater through August.

MOZ001-004-005-006-008-009-010-

**River Flood** 

011-012 Northwest through Central to East Central Missouri

> The Great Flood of '93 entered its second month along the **Missouri River**. For most areas, August was a month of falling water levels, with some areas experiencing increases late in the month.

> One record crest was reached in August along the Missouri River. That occurred at St. Charles near the confluence with the Mississippi River. The Missouri crested at St. Charles on 8/2 at 39.6 feet. Flood stage is 25 feet. The previous record had been set in July of 1986 at 37.5 feet.

#### Northwest Missouri

Areas from Kansas City on north, including the communities of St. Joseph, MO and Atchison KS, saw the river fall to flood stage by August 8. This allowed the massive clean-up to begin.

Drinking water returned to St. Joseph, MO (Buchanan County) residents. The water treatment Plant had been shut down on 7-24-93 due to flooding from the river. St. Joseph Rosecrans Airport als o suffered major damage keeping it out of service for much of August. Agricultural lowlands remained under water, in many cases because the flood water was trapped and could not return to the river. Tons of sand left behind will make this land useless for several years to come.

In areas just east of Kansas City, including Ray, Lafayette and Carroll Counties, the river staye d above flood stage for most of the month. The river reached flood stage at Napoleon on 8-27-93, and in Waverly on 8-28-93, both in Lafayette County. Much of the damage in these areas was to agricultural lowlands, although the U.S Highway 24/65 bridge at Waverly suffered extensive damage.

#### Central Missouri

In central Missouri, the Missouri River also slowly returned to its banks. The river returned to flood stage on 8-17 at Glasgow, Howard County; on 8-19 at Jefferson City, Cole County; on 8-24 at Booneville, Cooper County; and on 8-25 at Hermann, Gasconnade County.

The falling water enabled some much needed bridges and highways to re-open. This included the Highway 5 Bridge at Booneville, the Highway 240 Bridge at Glasgow, and the U.S. 54/63 Bridge at Jefferson City. The retreating water also revealed the damage done to roadways. The north bound lanes of U.S. 54/63 looked as if they had been bombed, with huge chuncks of concrete displaced or missing completely.

#### East Central Missouri

#### **Franklin County**

On Sunday (8-1-93) residents of Washington were under a boil order for possible water contamination. An exposed water main broke Sunday when floodwater eroded the dirt from a tree's roots causing it to fall on the pipe. Service was restored late Sunday and the boil order was canceled Wednesday.

The Rock Levee at New Haven held fast as the Missouri River crested Monday (8-2-93) at 36.8 feet, just inches below the 37 foot levee. Gas service to New Haven was cut off Friday (8-6-93) after a submerged gas line malfunctioned.

### MISSOURI Cont'd - August 1993

The Missouri Highway Patrol reopened the Highway 47 bridge north of Washington Monday (8-23-

	Time	Path	Path	Number of	Estimated	August 1994
	Local/	Length	Width	Persons	Damage	8
Location Dat	e Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

93). The Washington City Administrator on Saturday (8-28-93) said the Washington Riverfront Park emerged from the floodwater unscathed. But he said 8 homes were heavily damaged and river water entered an additional 10 homes through their sewers.

#### **Warren County**

The Missouri Highway 47 Bridge, Highway 47 and Highway 94 in Warren County, north of Washington, remained closed until Monday (8-23-93). Washington Memorial Airport was reopened for daylight operations only on August 24.

#### St. Charles and St. Louis Counties

For information on flooding in these counties from the Missouri River see the entries for these counties in the section covering the Mississippi River. (August 1993 Storm Data Issue, Vol.35, Number 8.)

#### SEPTEMBER 1993

#### **ILLINOIS**

MOZ007-012 01-West Central 31 through Southwest Illinois

NOTE: Information for Randolph County (Illinois Zone 13) is also included. Damage listed above is a continuation for the flood, not a one month total.

The Great Flood of '93 continued into its third month. The **Mississippi River** did fall below flood stage at Quincy, Illinois on 9/13, however it rose back above flood stage from 9/15 - 9/17. At points below Quincy, namely areas adjacent to Hannibal, MO, Clarksville, MO, Winfield, MO, Grafton, IL, St. Louis, MO, Cape Girardeau, MO, Chester, IL, and Thebes, IL, the river remained above flood stage the entire month of September. At points north of Grafton IL, the river ranged from 1 to 3 feet above flood stage during the month.

However at points from Grafton to Chester, IL, the river surged late in the month from 10 to 15 feet above flood stage. The late month surge in water levels was mainly caused by heavy rain that fell in central Missouri that flowed down the Missouri River and then into the Mississippi River just north of St. Louis.

In the areas north of Grafton IL, life finally began to return to normal. Roads and bridges that had been closed for as long as two months were reopened. The clean-up began in earnest, but for many, there was nothing left to clean-up. Talk began of moving whole towns out of the floodplains. Many residents of Grafton, IL, were looking to the bluffs to their north and east as their future home. The town of Valmeyer, in Monroe County, also began work on moving the entire town east to higher ground.

South of St. Louis, the water remained too high to begin cleaning up. Much of the land flooded in Monroe and Randolph counties remained inaccessible. Levees that had failed earlier could not be repaired in time to stop the late September rise. The bridge across the Mississippi at Chester, I L remained closed. Kaskaskia Island remained a part of the river. Surveys of the island done by boat found that only 5 of the 162 houses remained in one piece.

#### SEPTEMBER 1993

	Time Local/	Path Length	Path Width	Nun Per	nber of	Estimated Damage Property Crops		August 1994			
Location	Date Standard	(Miles)	(Yards)	Killed	Injured	Proper	ty Crops	Character of Storm			
MISSOURI											
MOZ006-007-009- 010-011-012-014- 016-017-018-022- 023 Central through East	22- 30 Central			1	0	7	0	River Flood			
to Southeast Missouri	i										
	East Central Mis	ssouri. Son sconade, I	ne of the ri Bourbeuse	vers aff , and <b>C</b>	ected in Luivre.	ıcluded Fortuna	the M	renewed flooding to Central and ississippi, Missouri, Meramec, o new records were set and most			
	On the <b>Mississippi River</b> , most points remained above flood stage through the month, although water levels for the most part dropped to near flood stage. At Quincy, IL, the river fell to flood stage on 9/13, rose briefly above on 9/15, then was back down on 9/17. At Hannibal, MO, the river hit flood stage on 9/21, was above on 9/23, back down on 9/24, and above again on 9/27. At St. Louis, the river hit flood stage on 9/13, but was back up on 9/15. The Mississippi remained above flood stage through the month in southeast Missouri. The peimary peoblem there was flooded roads and farmland in the river bottoms.										
	The <b>Missouri River</b> suffered the most as the majority of the rain fell directly into the river or in tributaries of the river. Since most of the levee system was damaged or destroyed, water easily flowed back into the river bottoms. Following is a brief summary of how some of the counties in central and east Missouri were affected by the Missouri River.										
<b>Cole County</b>											
<b>Boone County</b>	lights. Water cov Building in Jeff	vered the paterson City.	arking lots In Osage	in the r City a	river bot combina	ttoms a ation of	round t water	Airport and damaged the runway he Truman Building and Capitol from the Missouri River and the along with several homes and			
200m County	Flooding occure	ed on part o	of Second S	Street ir	Hartsb	urg but	no hou	uses were affected.			
Callaway County	C	1				C					
	also occured ov	er parts of <b>vasse Cree</b>	highway 9 e <b>k</b> . Water r	4. Floo	ding of a few	county	roads	east of Jefferson City. Flooding was most severe on those which sinesses in Mokane and Portland			
Osage County	Flooding occured roads close to the Mill.	d along high e river in the	nway 100 w e bottoms w	vest of ( vere affe	Chamois ected. W	s and be	etween ached s	Chamois and Morrison. County everal river cabins near Bonnots			
<b>Montgomery County</b>	Flooding occure	ed on High	way 19 nea	ar McK	ittrick.						
<b>Gasconade County</b>	The Highway 1 businesses or ho	9 bridge womes were	as cut off flooded.	and wa	ter cove	ered pa	rt of G	utenburg Street in Hermann. N o			
Howard County  MISSOURI Cont'	Missouri River current pushed l	r. An 80 ye nis pick-up	ar old mar	ı drown	ed on the	he 24th	in this	ection of Highway 5 south to the area when the force of the rive r a, a 73 year old man lost control			
	-			_							

of his pick-up truck around 9:00 pm on the same road. He abandonded the vehicle and managed to

Location	Time Local/ Date Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	August 1994			
	grab hold of a tree am the following		ted down th	-		ntually rescued him around 7:00			
Moniteau County	Highway 179 at Sandy Hook was flooded and water rose into several houses.								
<b>Cooper County</b>	Flood water partly covered Water Street in Boonville.								
Chariton County	Flooding occured along highway 40 from downtown Brunswick west to Highway 11 and the county line. At least 12 businesses in Brunswick on the south side of Highway 40 were flooded, including a lumber company, a newspaper office, and a Casey's General Store. Flooding also occured on Highway 5 near the Glasgow Bridge.								
Saline County	Flooding occured in the Glasgow Bottoms and inundated 12 homes. Highway 240 was flooded from the intersection of Route PP to the Glasgow Bridge.								
St. Charles County	In St. Charles County, the <b>Mississippi River</b> flowed through already broken levees and moved across St. Charles County to meet the <b>Missouri River</b> , about 10 miles upstream from where they normally meet. The Missouri River also rose, flooding Highways 94 and 67, and other roads in north and south St. Charles County. Access into West Alton and Portage Des Sioux was once again severely limited. About 600 homes remained under water, many of them since April.								
St. Louis County	In St. Louis County, the Missouri River threatened the devastated Chesterfield Valley with ne w flooding. This time though, a 1 mile long temporary rock levee built along Eatherton Road held back the rising water.								
	The following is flood information from other area rivers.								
Cuivre River  Meramec River	The Cuivre River, to backwater fro homes, were force	m the Mis	ssissippi Ri	der between <b>St.</b> ver. About 20	Charles and families, who	<b>Lincoln Counties</b> also rose due had just moved back into thei r			
	The lower Meramec River suffered significant flooding because the bulk of the rain that triggered this round of flooding fell in the Meramec basin. The Meramec exceeded flood stage at Steelville, Sullivan, Pacific, Eureka, Valley Park and Arnold (where it had been in flood since June).								
	The town of Valley Park, in <b>St. Louis County</b> , suffered the most as the Meramec rose 16 feet over flood stage. About 1500 people were evacuated as 275 homes were either flooded or surrounded by flood water. At least 200 businesses were flooded, including the Police and Fire Departments.								
	flooded by the prompting the b destroyed at an in-	Meramec. uy out of cinerator b gh to escap	After the the entire being built are the recen	1982 flood, di town. The cont at the site of the t flooding. Furt	ioxin was fou taminated dirt e old town. Fo ther tests will l	whost town of Times Beach was and in the dirt in Times Beach has been removed and will be entunately, the dirt was stored on be conducted to see if the recent.			
Big River  MISSORUI Cont'	stage. During the Jefferson County from the Morse leader Hill to its	ne early m y from the Hill area a confluence	orning hou communition round 300	rs of Friday (9 es od Cedar Hil am on Friday.	9-24-93) about Il and Morse H Numerous clu	an estimated 15 feet over flood 200 people were evacuated i n lill. 83 people had to be rescued b houses on the upper big, from ed. Schools were closed in			

Jefferson County on Friday due to numerous road closures throughout the county.

	Time	Path	Path Width	Number of	Estimated	August 1994
	Local/	Length		Persons	Damage	
Location	Date Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

### **Gasconade River**

In **Laclede County**, the Gasconade River flooded forcing the closing of Interstate 44 about 13 miles east of Lebanon. A Missouri Highway Patrol veteran of many years commented he had never seen that happen before. In **Osage County**, the river flooded Route E and Highway 89 and damaged several riverside cabins. (M80V)